

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, September 17, 1941

Number 1

HONORARY HOME EC SORORITY RANKS FIRST IN SCHOLARSHIP

MEMBERS OF OMEC NU HAVE AVERAGE OF 2.44

Farm House Lends Social Fraternities with 1.8653 while Chi Omega Tops Women's Groups with 1.711

Omicron Nu, honorary home economics organization, had the highest scholarship record of all organizations at Kansas State College during the second semester of the 1940-41 academic year, according to Miss Jessie McDowell Machir, registrar. Its scholarship average was 2.44.

Second in the entire list was Mortar Board, honorary senior women's organization, with an average of 2.432. Phi Alpha Mu, honorary general science society and formerly a frequent leader, was third with an average of 2.387.

FARM HOUSE LEADS FRATS

Chi Omega headed the list of sorority scholarship ratings with an average of 1.711. Farm House fraternity ranked first in the men's social organizations with an average of 1.8653.

The entire list of organizations according to their rank:

Omicron Nu, 2.440; Mortar Board, 2.432; Phi Alpha Mu, 2.387; Dynamis, 2.159; Alpha Zeta, 2.071; Theta Sigma Phi, 2.007; Quill club, 2.000; Athenian, 1.962; Klod and Kernel, 1.890; Mu Phi Epsilon, 1.886; Alpha Mu, 1.8658; Farm House, 1.8653; Sigma Tau, 1.783; Pi Kappa Delta, 1.761; Block and Bridle, 1.743; Chi Omega, 1.711; Pi Beta Phi, 1.696; Alpha Kappa Psi, 1.667; Alpha Gamma Rho, 1.665; Sigma Delta Chi, 1.658; Browning, 1.647; Kappa Kappa Gamma, 1.645; Ionian, 1.632; Delta Tau Delta, 1.5927; Clovia, 1.5921; Phi Kappa, 1.584; Phi Epsilon Kappa, 1.575; American Society of Mechanical Engineers, 1.466; Kansas State College Dairy club, 1.458.

TRI DELTS HAVE 1.457

Delta Delta Delta, 1.457; Alpha Kappa Lambda, 1.440; Mortar and Ball, 1.416; Alpha Xi Delta, 1.394; Sigma Nu, 1.388; Sigma Phi Epsilon, 1.384; K fraternity, 1.375; Alpha Tau Omega, 1.353; Tau Kappa Epsilon, 1.346; Phi Delta Theta, 1.296; Phi Kappa Tau, 1.270; American Road Builders association, 1.262; Pi Kappa Alpha, 1.259; American Society Agricultural Engineers, 1.245; Kappa Sigma, 1.240; Beta Theta Pi, 1.229; Theta Xi, 1.206; American Institute Electrical Engineers, 1.182; Delta Sigma Phi, 1.174; Hamilton, 1.171; Alpha Delta Pi, 1.169; Kappa Delta, 1.147; Scabbard and Blade, 1.087; Sigma Alpha Epsilon, 1.085; American Society Civil Engineers, 1.074; Acacia, .653.

RUTH MO, HONGKONG, LEAVES CAMPUS AFTER YEAR STUDYING CHILD WELFARE

Chinese Girl Wants to Help "Warphans" under Program Supervised by Madame Chiang

After a year on the Kansas State College campus, during which time she completed her work for a Master of Science degree in child welfare work, Miss Ruth Lo-Tak Mo, Hongkong, China, left Saturday for Detroit, where she will study in the Merrill-Palmer school there.

A three-year period for study in the United States will prepare Miss Mo to serve as an aide to Madame Chiang Kai-shek, American-educated wife of the Chinese republic's leader. Miss Mo wants to work with the war orphans or "warphans", as Madame Chiang calls them.

Associates of Miss Mo on the campus said that even in this country, she felt an obligation to the community. They said that she had not declined a single invitation to speak before clubs or campus organizations during her months in Manhattan.

Miss Mo entertained the administrative heads of the College at a Chinese supper before her departure.

Elected



DR. E. C. MILLER

DR. E. C. MILLER IS SELECTED HEAD OF PLANT PHYSIOLOGY ORGANIZATION

National Society Has Some 800 Members and Will Meet in Dallas, Texas, This Winter

Dr. E. C. Miller, professor in the department of botany and plant pathology, has been elected president of the Plant Physiological Society of America, an organization of some 800 members. Doctor Miller was chosen by mail poll from five candidates nominated in a previous poll.

The Kansas scientist-educator, who for 31 years has conducted research in water relations and chemistry of plants, will preside at the society's meetings this winter in Dallas, Texas, in conjunction with the convention of the American Association for the Advancement of Science.

A graduate of Lebanon college and Yale university, Doctor Miller received his doctor of philosophy degree from Yale in 1910. He has been a member of the Kansas State College faculty since 1910. He also is plant physiologist in the Kansas Agricultural Experiment station.

Doctor Miller is a successful author in both his professional field and his avocation. His "Plant Physiology," published in 1931 and now in its second edition, has sold more than 5,300 copies—1,500 of them in foreign countries. His hobby has been the study of Abraham Lincoln. Known as an authority on Lincoln lore, he has written a book and a number of magazine articles on the president's life.

The new president of P. P. S. A. is a member of Phi Beta Kappa and Phi Kappa Phi scholarship fraternities, president of the Kansas State College chapter of the American Association of University Professors and active in many science organizations.

SWINE FEEDERS' DAY WILL BE OCT. 11 ON COLLEGE CAMPUS

Dr. C. E. Aubel, Hog Specialist, Plans Demonstrations and Talks

Unusual features have been planned for the Kansas Swine Feeders' day, Oct. 11, on the College campus, according to Dr. C. E. Aubel, swine specialist.

There will be special events for vocational agriculture students, 4-H club members and practical hog feeders. The program will begin at 10 a. m. in the swine barn, where demonstrations will "star" the 350 hogs in the College herd. These will include feet trimming, tusk removing and others conducted by members of the Division of Veterinary Medicine and the department of animal husbandry.

The afternoon program will include other demonstrations and discussions of many topics, among them register of merit and performance sows and litters, and production contests, the hog market outlook for next year, and feeding. Dr. C. W. McCampbell, head of the Department of Animal Husbandry, will talk.

Associates of Miss Mo on the campus said that even in this country, she felt an obligation to the community. They said that she had not declined a single invitation to speak before clubs or campus organizations during her months in Manhattan.

Miss Mo entertained the administrative heads of the College at a Chinese supper before her departure.

COLLEGE ENROLLMENT DROPS APPROXIMATELY 8 PER CENT

TOTAL OF 3,734 HAVE SIGNED WITH REGISTRAR

Division of Engineering and Architecture Leads All Others in Numbers of Students Taking Courses

A total of 3,734 students, including those enrolling after the regular assignment period, had enrolled in Kansas State College by Tuesday, according to Miss Jessie McDowell Machir, registrar. This figure represented a drop of 320 or slightly under 8 per cent in the College enrollment below the 4,054 students last year.

A preliminary breakdown of the enrollment by divisions after the initial registration period ended last week, showed the Division of Engineering and Architecture leading in number of students with a total of 1,018. This was a drop of 65 under last year's figures.

GENERAL SCIENCE IS SECOND

The Division of General Science, first last year, was in second place this year with 954 enrollees, 90 under the 1940 enrollment.

Other divisions were correspondingly low. The Division of Home Economics enrolled 801 students; the Division of Agriculture, 601; the Division of Veterinary Medicine, 211, and the Division of Graduate Study, 108.

MANY ENROLL LATE

The decrease in enrollment this year may be explained by the fact that many students are unwilling to leave the higher-paying defense jobs to continue their education and that others were in the country's armed service. Late enrollment is expected to be high this year because many prefer to pay the late enrollment fee and go on working until the last possible time.

Poultry School Sets Record

More than 80 persons attended the eighteenth annual School for Poultry Selecting Agents on the College campus. The three-day school which began September 2 was conducted by the department of poultry husbandry in cooperation with the Kansas Poultry Improvement association and the United States Department of Agriculture. The enrollment was largest in the history of the school.

Settle with Air Force

Lt. Allan E. Settle, I. J. '37, has been assigned as public relations officer of the air force combat command with headquarters at Bolling field, Washington. For nearly a year, Lieutenant Settle has been assigned to the bureau of public relations of the war department in Washington, D. C. He worked on the staffs of the Mercury Chronicle and the Kansas City Star.

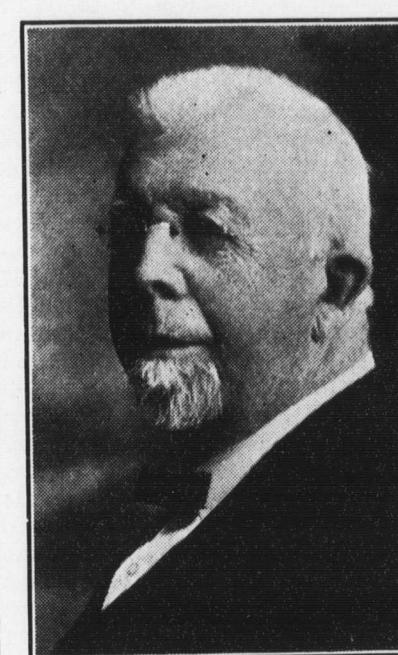
BEING AN AMERICAN IS BLESSING, SAYS VAN HESS, BACK FROM IRAQ

It is a blessing to be an American, says Van Hess, former student who has spent the past month in Manhattan after two and a half years in the Iraq deserts, Palestine, the Balkans, India, Singapore and the Dutch Indies. Hess, son of Mrs. Katherine Hess, associate professor of clothing and textiles, plans to report back for work in Houston this week.

With a crew surveying for oil in Iraq, he learned how fortunate it is to work in America. Working conditions there are bad, Hess said. Foreigners he met envied him his passport and this country its prosperity, he said.

In 1939, Hess began his world travels. One Saturday he got a job with the Mott-Smith Petroleum company of Houston, Texas, and the next day he was on his way to Iraq. The exploration party worked on a sublease under the Iraq Petroleum company, which was owned by the Brit-

Dies



A. A. Stewart, above, who was employed by the College on April 1, 1874 and remained superintendent of the printing department until October 1, 1881, died in Colorado Springs, Colo., on August 6. Burial was in Neosho, Mo., on August 9.

DR. E. B. KEITH, CHEMISTRY PROF., DIES AFTER FALL FROM PORCH ROOF

Faculty Member Joined College Staff in 1918; Had Been in Charge of Freshmen Work

Dr. E. B. Keith, 50, professor in the Department of Chemistry, died August 7 after falling from the top of the front porch at his home where he had been painting.

Doctor Keith had been connected with Kansas State College since 1918. From 1914 to 1918 he was instructor in chemistry and physics in the Manhattan high school. He was made assistant professor of chemistry in 1924, an associate professor in 1927 and a professor of chemistry in 1938. Before his death he had been in charge of the freshmen chemistry work.

Before coming to Manhattan high school, he was on the staff of the Coffeyville, Kan., high school.

He received his B. S. degree from Kansas State College in 1913. In 1924 he was granted a Ph. D. from the University of Chicago.

Doctor Keith was a twin brother of Prof. E. T. Keith of the Department of Industrial Journalism and Printing. A son, Walter, graduated from Kansas State College last spring, is with the army at Ft. Benning, Ga. Another son, Donald, is a freshman in the Division of Engineering and Architecture this semester. A third son, David, is in the Manhattan public schools.

A memorial by Prof. C. M. Correll, Department of History and Government, was read at the funeral, praising Doctor Keith's teaching ability.

OFFER MATERIALS COURSE

The course in materials inspection for highways and airports will train men to supply the increasing demand for laboratory and field inspection on highways and airport construction. The need for airports and highways will increase as supplies and soldiers are transported in carrying the national defense program to completion, Professor Carlson said. Both men and women are encouraged to take advantage of the training.

Fifty-four persons completed short courses on the campus August 23, 42 finishing the engineering drawing course and 12 a course in materials inspection and testing. The total of students who have completed the Defense Training short courses since the program began January 6 is 186.

East Stadium Tickets on Sale

Season ticket purchasers may obtain seats between the 45-yard lines in the east stadium for home games this fall, Business Manager Frank L. Myers has announced. Formerly season ticket sales were limited to the west stadium.

Nelson with Allis-Chalmers

Harold E. Nelson, I. J. '40, is working in the advertising department of the tractor division of Allis-Chalmers Manufacturing company, Milwaukee, Wis. He was formerly with the Northwest Farm News, Bellingham, Wash.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY.....Editor
HILLIER KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT.....Associate Editors
KENNEY FORD.....Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, SEPT. 17, 1941

REGENT STAUFFER'S MESSAGE

In the first College assembly of the year, Oscar S. Stauffer, bringing greetings from the State Board of Regents, told the students and faculty that college years are "the most important and vital" because of their effect in preparing students to help solve the complex problems of the civilization they live in.

There is nothing new in Regent Stauffer's assertion but it is an excellent note on which to begin a new college year.

In the critical days ahead all our institutions will be subject to examination as to the bases for their existence. Those found to be non-essential may and should suffer. But there is danger that in the confusion of a time of crisis real values may be obscured.

The need of this country obviously will not diminish but increase in the coming months and years, for trained leaders in the factories, in business, in the armed forces, in feeding and clothing and housing the people, in the primary and secondary schools, in the hospitals, in the churches, in the homes.

The colleges are the chief centers of training for these leaders.

Not the self-interest of members of college staffs, but the social duty of the colleges to the state and the nation, makes it essential that those associated with the colleges should continue to state and restate this fundamental fact which must not be forgotten.

BOOKS

Quality in Education

"An Adventure in Education: Swarthmore College under Frank Aydelotte," By the Swarthmore College faculty. The Macmillan company, New York, 1941. \$2.50.

In 1921, when Frank Aydelotte became president of Swarthmore college, he proposed to the board of managers and the faculty that Swarthmore undertake an experiment in educational quality. "The end of all industry," he said in his inaugural address, "is the production of human beings of a finer quality, and unless this end is realized and achieved, no measure, however great, of material success can redeem it from failure." His proposal was adopted and this book reports the methods used and the results achieved during the 19 years of Mr. Aydelotte's administration.

The Swarthmore program includes limitation of enrollment, equal numbers of men and women students, exacting requirements for admission with emphasis on character and personality as well as on scholarship, honors courses for qualified juniors and seniors, extreme care in the selection of faculty members, comprehensive examinations with outside examiners for honors students, light teaching loads, liberal leaves of absence for faculty members, complete academic freedom, universal participation in athletics, sharp limitation of the number of courses pursued by students, and various other features that approach the ideal. The general results appear to have been highly satisfactory to all concerned.

The authors are careful not to gloss over the defects of the program. But when the defects are honestly admitted, the program still stands out as an educational achievement of the first magnitude. There is no doubt

that the book will make many a college president's "mouth water". Mr. Aydelotte and his associates have realized many bright educational dreams. It may be that the achievement would be impossible in any institution not blessed, as Swarthmore is, with the Quaker spirit and the Quaker passion for excellence, or their equivalents.

As might be expected, the achievement has cost money. But, as the authors say, "From the point of view of society poor education is more expensive than good education. . . . good education generally means more dollars spent on each student. . . . but for both the individual and society it is cheap at any price." In the 19 years covered by the book Swarthmore's expenditure per student increased from \$934 to \$1,341 a year. In the 19 years enrollment increased only 33 per cent—from 507 to 678—but the total annual expenditures increased from \$428,000 to \$923,000, almost 100 per cent. In the same period, the annual expenditure for instruction increased from \$111,000 to \$320,000; the number of faculty members increased from 41 to 83, an increase of 100 per cent; and the library budget increased from \$4,600 to \$50,000, an increase of 1,000 per cent. The money came chiefly from gifts from alumni and other friends of the college and from the educational foundations. The endowment fund increased 180 per cent in the 19 years. Quaker financial acumen is indicated by the fact that the net annual income on endowment investments was 4.4 per cent at the beginning of the period and 4.5 per cent at the end.

If and when the American public, including the educators, learns that genuine democracy in education requires effective recognition of variability of talent and character and that quality is more important than size and numbers, many other colleges, public and private, doubtless will undertake programs comparable to the one at Swarthmore. In the meantime, Swarthmore's adventure in education has provided an invaluable example of what can be done and of how it can be done when the public, and the educators, are ready to act.

—F. D. Farrell.

HIGH SCHOOL COMMUTERS

Five hundred students are riding in buses this year to a community high school in Cherokee county, Kansas. This community type high school is rare and there are only a couple of others in existence in the state. It is not like the common consolidated school; for it operates under special laws and is supported by the entire county. Nine buses each carrying 50 to 60 boys and girls to the school, cover 362 miles daily in a county that is only 30 miles wide in any direction. Attendance has increased from 350 students to 800 in about four years.—From Highway Highlights.

DEMOCRACY ISN'T SOFT

Democracy hasn't made us soft. Far from it. Rather, democracy has given us the spiritual and material strength we need to build a strong defense. We have our handicaps, but they are those of youth, not of decadence. And with all our faults, the reassuring fact remains that we in America can call on more intelligence, more skill and more sheer physical brawn than any other government in the world.—Col. William J. Donovan in *This Week* magazine.

CITY PLANNING AND SUNSHINE

Most American streets run north and south or east and west, with dwellings built to face them. Weathermen and exponents of vitamin D, the sunshine vitamin, say this was a boner in planning. Houses built to face northeast, southeast, southwest, or northwest get some direct sunlight on all four sides during the year.—From the *American Magazine*.

NOW IN THE REVOLUTION--

Of the 2,500,000 residents of the American colonies, it is estimated that 325,000 fought in our Revolutionary war. At the same ratio, we would have an army of 17 million today. However, many colonials were under arms only a few weeks or months, compared to the year's training now required.—From the *Pathfinder*.

THE SCIENTIST AND VALUE

To say that the scientist has no

entomologist in the United States Department of Agriculture, was working in Japan. He also planned to visit the Philippines to continue entomological work.

Nellie Sawyer Kedzie, '76, professor of household economy here from 1882-97, and since that time professor of domestic economy in Bradley Polytechnic institute, was married at Peoria, Ill., to Prof. H. M. Jones of Berea college.

FIFTY YEARS AGO

H. S. Willard, '89, returned to Kansas City for his second year in the Medical college.

F. A. Waugh, '91, took charge of the new agricultural department of the Topeka Capital.

K. C. Davis, '91, visited the College en route to Jackson county, where he was a teacher in the government Indian school.

SIXTY YEARS AGO

Mark A. Reeve, '82, returned to Manhattan after spending his vacation in New Mexico.

President Fairchild returned home from his vacation, during which he visited the Michigan and Ohio Agricultural colleges and Oberlin college.

At the regular meeting of Alpha Beta society, the following officers were elected: George Hopper, president; J. T. Willard, vice-president; Mel Platt, secretary; Grant McConnell, marshal; Miss A. Noyes, corresponding secretary.

SUNFLOWERS

By H. W. Davis

BEAUTY SOARS

The price of beauty has gone up alas—and fifty per cent.

Permanents, semi-permanents, and the more rapidly vanishing refinements such as finger-waves, retraces, and eye-shadowings jumped the gun a week or two ago, and before we forgotten men could stammer "ouch" we were surrounded and ordered to lay down our folding money. Which, as usual, we did.

If a war short of shooting can do that to you, smack in the face of a board in Washington, D. C., to prevent such things, what is domestic economy going to be like when our navy finds something to shoot at?

Beauty, we must remember, is no longer a luxury; it is a staple and has been for years. It is the stuff of life in America, as essential as gasoline, juke boxes, and golf balls. If the price of beauty can soar fifty per centum any Monday morning without a murmur from that board somewhere in the District of Columbia, the price of bread and butter and milk can do the same.

We have become so inured to beauty—blackish red fingernails, coral-plus lips, vermillion cheeks, purplish-gray eye sockets, trick eyelashes, stream-lined eyebrows, and multi-hued loops of hair going places have become an integral part of our beloved American landscape, as dear to our hearts as the more restrained scenes of our childhood. Synthetic beauty a la mode is, unlike the classical brand, more than skin deep—nine times out of ten—and we cannot allow it to vanish from the face of womankind, as it may, if we are gouged further.

The beauticians have always posed as friends to man. They have frequently pointed out that they take the wrecks we eat breakfast with and return us glamor girls to heat up the soup at noon—or later. Now in the face of nuisance and income taxes that make you shiver, they say, "Pay, shell out, come across, papa; or we'll send them back just as they were." Such a trick to play on us!

All right, we're licked. We'll pay. But maybe not forever, beauticians, nor for long. What if we should organize, incorporate, and start a nation-wide campaign in favor of merry, laughing eyes that can twinkle without cracking, healthy cheeks rouged from within, and really care-free hair? What if we should stampede for the simplicities of the shepherdesses of Arcadie—Phyllis, Philomela, Sephestia, Diaphena, and Chloris, who got by big without a nickel's worth of onlaid glamor.

Beauticians, there's such a thing as pushing us too far.

SCIENCE TODAY

By S. A. NOCK

Vice-president, Kansas State College

The present threat to our way of life is very largely the threat of the users of dynamic language. It is the threat of men who have for years incessantly stirred passions, without regard to discoverable truth. It is the threat of men who have completely abandoned the way of thought and the way of speech of the scientist, and have relied on the evangelical, the enthusiastic, the dynamic in speech.

Above all, it is the threat of men who know that they are doing just that; of men who deliberately oust the scientist from his laboratory—unless, of course, he is willing to waste his time inventing support for the master, or finding ways and means to make the machine go after the fuel has run low. The scientists who have remained to do this "practical" and "patriotic" work have done it pretty well; but they have hardly done more than make the gadgets work. They cannot make facts to order: they can only garble and conceal reports on facts.

The scientists doing the bidding of the dictators are of course not altering anything in the world outside. They are not remaking the physical universe. They are not making human genetics conform to the fancies of H. S. Chamberlain any more than they are making wheat genetics conform to the fancies of Marx and company. They are simply covering up, where they cannot ignore.

This matter of covering up is a verbal one. Since the kept scientist can not under any circumstances make the world run to order; since he can only find what he finds, his powers are limited to either not finding very much, or not reporting on what he finds. And there are just enough men in the dictatorships who are acting thus to build up a substantial body of nonsense.

Meanwhile, of course, the wielders of dynamic words are whipping up the enthusiasm among the people which is necessary to an assimilation of the mendacity of the pseudo-scientists. And since, when people are in a state of enthusiasm, they are ready to believe that substitution of one thing for another, and manufacture of new gadgets, are synonymous with science and scientific activity, the dictators can point with pride to the doings of their scientists.

These unfortunate laboratory robots can accomplish little that will

sense of values is quite to misunderstand him. To imply that he does not make every effort to discover what is true, is to malign him. As much as any man, the scientist endeavors to see life whole, because only so can he understand the part of it which is his particular discipline.—S. A. Nock in *Philosophy of Science*.

OPPORTUNITIES OF EDUCATION

The difficulties of democracy are the opportunities of education. That democracy alone will be triumphant which has both intelligence and character. To develop them among the whole people is the task of education in a democracy.—Nicholas Murray Butler, president of Columbia university, in "True and False Democracy."

EARNING LEISURE

Shoals of young people are being educated to enjoy leisure. Too few are being taught to earn leisure. You can earn it only through work, and you can get work only if you are equipped.—J. P. McEvoy in *Forbes*.

FARMING FOR AUTOMOBILES

Almost 2,500,000 acres of land were used to grow the agricultural products that went into the manufacture of American motor vehicles last year.—From the *Pathfinder*.

IN OLDER DAYS

From the Files of *The Industrialist*

TEN YEARS AGO

Louise Reed, '29, was supervisory manager of the cafeteria at the University of Ohio at Athens.

C. R. Bradley, '27, was appointed a member of the staff of the College department of horticulture.

Dr. Ralph R. Dykstra, dean of the

Division of Veterinary Medicine, was

elected president of the American Veterinary Medical Association for

one year at the annual meeting of

the association at Kansas City late

in August.

TWENTY YEARS AGO

Maj. Louis B. Bender, '04, was in charge of the engineering and research division of the signal office, War department, Washington, D. C.

Loyal F. Payne, professor of poultry, was elected first vice-president of the American Association of Instructors and Investigators in Poultry Husbandry at its annual meeting held at New Brunswick, N. J.

Harry L. Kent, '13, was named the new president of the New Mexico State college. He was succeeded as superintendent of the Fort Hays branch experiment station by Louis Aicher, '10. Mr. Kent replaced another Kansas State College graduate, Robert W. Clothier, '97, as president at New Mexico.

THIRTY YEARS AGO

Clif Stratton, '11, was assistant circulation manager of the *Kansas City Star* in Kansas City, Kan.

Miss Wilma D. Evans, '09, was teaching domestic science and art and agriculture in the high school at Goodland.

Dean Brink represented the College at the inauguration of President Mason of Baker university. President Taft also attended the inauguration of President Mason.

FORTY YEARS AGO

H. N. Whitford, '90, was appointed collaborator in the Bureau of Forestry, United States Department of Agriculture.

Charles L. Marlatt, '84, assistant

AMONG THE ALUMNI

Maj. Gen. Emory S. Adams, B. S. '98, adjutant general of the United States army, was a guest August 29 of R. H. Brown, '98, and Cora (Ewalt) Brown, '98, 420 Humboldt, Manhattan. General Adams was returning to Washington after a short vacation trip to Seattle and other Puget Sound cities. General Adams was a volunteer in the famous 20th Kansas regiment and saw several years of service in the Philippines under General Funston.

Lathrop W. Fielding, E. E. '05, writes "I am handling the distribution for the Imperial Hay Growers association, San Diego office. I commute to the home we still have in Whittier. Crete (Spencer Fielding, '05) is anxious to move here. There are swarms of Aggies in the Los Angeles territory but not many of the older ones down this way."

W. L. Blizzard, Ag. '10, was in an automobile accident April 10 and fractured 16 bones. Doctor Blizzard, dean of the school of agriculture at the Oklahoma A. and M. college, is a prominent livestock figure.

Mary Kathryn Boyce, H. E. '14, is doing research work in New York. Her address is 309 W. Fourth street, New York City.

Maynard P. Goudy, E. E. '15, is superintendent of the electric light department at Idaho Falls, Idaho. He and Louise (Fowler) Goudy, 126 Twelfth street, Idaho Falls, have two children. Powell is 15 and Catherine, 12.

Celia (Johnson) Dalrymple, H. E. '17, and her husband, C. P. Dalrymple, have moved from Casselton, N. D., to 404 N. Jefferson street, New Ulm, Minn.

Trafford W. Bigger, M. E. '19, Myrtle (Dickerhoof) Bigger, f. s., and their son, Loren, visited the campus September 3 to arrange for Loren to enroll as a freshman in business administration here. Mr. Bigger reported that he is still employed as designing engineer of power plant equipment for the turbine engineering department, General Electric company, Schenectady. He is specializing on mercury vapor equipment. The Bigger's live at 1317 Regal avenue, Schenectady, N. Y.

Lester Means, E. E. '23, and Earl Abbott, E. E. '24, stopped in the Alumni office last spring while on a vacation from their work with General Electric. Mr. Means is in charge of the employees service section of the personnel department in Schenectady, N. Y. Mr. Abbott is a sales engineer in Chicago, Ill.

Neva Betz, H. E. '25, is director of dietetics at Friends hospital, Frankford, Philadelphia, Pa.

Ben W. Friedel, Arch. '26, and Fleeta (Daniels) Friedel, f. s., live at 1217 E. Twelfth street, Winfield. Mr. Friedel is an architect.

Frank B. Morrison, G. S. '27, is a lawyer in Stockville, Neb. He and Maxine (Hepp) Morrison have three children. Frank B., Jr., is 4, David Jon, 2, and Jean Marie will be two months old September 21.

Benjamin P. Bowman, M. S. '28, is now principal of the high school at Linn. He was formerly superintendent of the high school at Raymond.

Wayne F. Tannahill, f. s. '29, and family, recently moved from Manhattan to Omaha. Mr. Tannahill has accepted an appointment with the civil service commission as equipment expeditor for the office of the constructing quartermaster, seventh corps area, United States army, Omaha. Mr. Tannahill was with the Long-Manhattan-Watson contractors on the Camp Funston project at the time he was appointed.

Claude L. Barnett, Arch. '30, is an architect at the State House in Topeka. The home address of Mr. Barnett and his wife, Helen (Bush) Barnett, is 1504 Harrison.

Lowell J. Burghart, M. E. '31, and Delight (Anderson) Burghart, f. s., live at 1407 Main, Woodward, Okla. Mr. Burghart is engineer at the Ft. Supply dam near there.

Gerald Powell, E. E. '32, writes "Last November, after starting my fourth year teaching at Chanute, I accepted a position here at Teaneck, N. J., as inspector of aeronautical engineering materials. This is a civil

service position. I inspect instruments that are used in Navy airplanes. The instrument plant at Bendix, N. J., employs 4,000 men.

"I enjoy my work very much. It gets me back in the engineering field again. We (his wife is Mabel Amthauer '32) are only six miles from Times square in New York. We have seen many points of interest in New York City and hope to see many more. Our boy Donald is six and is finishing the first grade. We may visit Kansas State in the fall."

Ernest I. Largent, Com. '33, is auditor for Cornell and company, Hutchinson. He and Ruth (Dick) Largent are at home at 321 E. Twelfth street, Hutchinson.

W. H. Sunderland, C. E. '34, is assistant engineer in the division of water resources of the State Board of Agriculture, Topeka. He was formerly at Hiawatha, where he was city engineer for four years.

Grace Louise Booker, H. E. '35, is director of the newly-established Dairy Council of Wichita which began its program early in August. The Dairy Councilor magazine of July, 1941, says "Miss Booker has had experience as a teacher and for the past several years has been a member of the home service department of the Kansas City Gas company.

Her experience conducting food shows, cooking schools for church and club groups, recipe testing and compilation of charts and recipe leaflets, have given her a varied and excellent background for dairy council work."

Charles R. Stumbo, G. S. '36, M. S. '37, Ph. D. '41, has joined the staff of John Morrell and company, Ottumwa, Iowa, as assistant in the office of Dr. C. E. Gross, chief chemist. He has taught in the South Dakota State college and was with the United States Department of Agriculture. His new position will afford considerable work in bacteriology. Mrs. Stumbo is the former Violet Brunk, '37.

Maurice (Red) Elder, P. E. '37, was appointed assistant Colorado State football coach this year. Elder, all Big Six conference fullback at Kansas State for three years, has played and coached with the professional Los Angeles Bulldogs since his graduation. He and Rosethel (Grimes) Elder, '38, moved to Ft. Collins, Colo., this summer.

Eleanor E. Long, H. E. '38, is university dietitian of the Student union, University of Wyoming, Laramie, Wyo.

Staley L. Pitts, Ag. '39, was elected to linecoaching duties at South Dakota State college, Brookings, S. D., effective September 1. Mr. and Mrs. Pitts are now at 622 Sixth avenue, Brookings.

Frank Woolf, '40, has been named head basketball coach at Manhattan high school for the school year. For the past year, Mr. Woolf had been basketball coach at Lakeside Vineyard high school at Pueblo, Colo.

BIRTHS

A daughter, Patricia Waynette, was born May 30 to Z. Wayne Hook, G. S. '33, and Violet (Sullivan) Hook, Route 1, Manhattan. Mr. Hook owns the Sinclair Service station in Manhattan.

A daughter, Diane, was born to Walter Zeckser, Ag. '33, and Anne (Welch) Zeckser, June 4. The Zeckser family lives at 1211 Pierre, Manhattan, where Mr. Zeckser is a federal land bank appraiser.

Charles Clinton is the name chosen for the son, born May 8, to Dr. Roy C. Langford, G. S. '25, M. S. '26, and Virginia (Hall) Langford, '37, of Route 1, Manhattan. Doctor Langford is a professor of psychology at Kansas State.

Charles E. Murphrey, Ag. '35, and Ruth (Jorgenson) Murphrey, H. E. '35, are the parents of Joyce Elaine, born June 20. The family lives in College Station, Texas, where Mr. Murphrey is an instructor in the Animal Husbandry department at Texas A. and M. college.

Lynette Jo is the name chosen for the daughter of Earl D. Hansing, M. S. '37, and Sarah Jo (Lister) Hansing, M. S. '38, born May 7. Mr. Hansing is an instructor in the Department of Botany and Plant Pathology at Kansas State College. Their home is at 827 Kearney, Manhattan.

LOOKING AROUND KENNEY L. FORD

Alumni in Wichita

R. S. DeLaMater, '32, writes that the Wichita Park board and airport practically have standardized on Kansas State College alumni.

R. F. McKinney, f. s. '26, is resident engineer in charge of construction at the Wichita Municipal airport, after several years with the Highway department. R. W. Fleck, '33, is office engineer for the Wichita Board of Park Commissioners generally responsible for all plans for park work, recreational facilities and airport improvements.

O. O. Ediger, '34, is in charge of surveys and field work at the airport. W. R. Yerkes, '35, is employed by the Park board in charge of landscaping and general park work. Mr. DeLaMater is in the airport construction office, working on plans and details both for the work in progress and for considerable expansion anticipated for the near future.

Salt Lake City Lawn Party

Thirty nine were present at the lawn party of Kansas State College alumni and former students at the home of Mr. and Mrs. Ralph S. Jennings in Salt Lake City August 23.

Those present included Susie Geiger, '26; Mildred (Burlieu) Fraser, f. s.; John M. Fraser, f. s.; W. L. Latshaw, M. S. '22, and Margaret (Fesmire) Latshaw; Mrs. Arty Clark; Everett J. Weeks, '26, and Bess (Soupene) Weeks; George L. McColm, '35, and Emma (Davis) McColm; Edgar F. Bailey, f. s. '23, and Mrs. Bailey; Charles A. Leech, '13; Will R. Bolen, '16, and Mrs. Bolen; Ralph S. Jennings, '22, and Mrs. Jennings; Henry J. Melcher, '24, and Mary (Capper) Melcher, f. s.; and Mrs. Ralph Crowell—all from Salt Lake City. Others present were Elizabeth Fraser, '38, Boise, Idaho; O. L. Longfellow, f. s. '23, Ogden, Utah; Glen R. Sawyer, '24, and Mrs. Sawyer; Preston, Idaho; Mr. and Mrs. J. W. Brewer, Magna, Utah; Kenney L. Ford, '24, and family, Manhattan.

Denver Alumni Gathering

Kansas State College alumni in Denver held their annual summer get-together August 26 at Bergen park in the foothills of the Rockies.

Dean Homer J. Henney, '21, and Mrs. Henney, Colorado State college, Ft. Collins, and the Kenney Ford family were guests. After the meal, the group spent an hour of fellowship, with Dean Henney giving a few brief remarks. Mr. Ford talked of the latest news of the College.

Among those present were the president of the group, Walter J. Ott, '16, and Millie (Williamson) Ott, f. s., vice-president, Charles E. Lavender, f. s. '15, and Mrs. Lavender, J. Edgar Durham, '27; Welthalee (Grover) Durham, '28, and their son, Grover Hugh, E. H. Hungerford, '12, M. S. '14, and daughter, Barbara, Helen Louise Swan, f. s. '32, Elsie (Buchheim) Stoeess, '15, Mrs. Emilie Buchheim, Walter A. Buchheim, '11, Mary (Gerkin) Burns, '27, and her son, Hugh, and Kitty (Smith) Wheeler, '95, all of Denver, and Edith Haines, '23, Manhattan, Kan.

Annual Washington Picnic

Kansas State College alumni of Washington, D. C., met for their annual picnic at Bethesda-Chevy Chase Recreation center on June 7. A hundred people, including the children, were present.

Outdoor games were the principal feature of the afternoon. The members of the class of 1940, 14 in all, challenged the others to a baseball game.

Later Dean Homer Henney, '21, Colorado State college, Ft. Collins, Colo., told of his trip to Central and South America, showing many specimens of the arts and crafts work of the countries visited.

Officers elected for next year are Col. W. W. Buckley, f. s. '05, president; Capt. A. M. Brumbaugh, first vice-president; Irving C. Root, '12, second vice-president; Marian (Stahlman) Salisbury, '34, third vice-president; Grace (Smith) Graves, '08, fourth vice-president; Libbie Smercheck, '32, secretary-treasurer.

Those present included Irvin D. Wright, '27, Lulu (Jennings) Wright, '26, and Clara Mae and Barbara; Walter C. Hulbert, '34, Pauline (Vail) Hulbert, '35, and Holly Ann;

Harry E. Ratcliff, '23, Mrs. Ratcliff and four children; Russell S. Kifer, '23, Hilda (Black) Kifer, '25, and Russell Jr.

Leon Davis, '09; Col. L. B. Bender, '04, and Mrs. Bender; Oliver H. Gish, '08, Mrs. Gish and Donald; Elnora (Wanamaker) Seaton, '25, and Sarah Seaton, present student; C. R. Witham, '18, and Mrs. Witham; Ethel Trump, '24, M. S. '30; Vera Howard, '28; Inez Howard, f. s.; T. A. Mitchell, '26, Mrs. Mitchell and son; Marian (Stahlman) Salisbury, '34, Mr. Salisbury and Nancy.

Maj. C. R. Feldmann, '28, Mrs. Feldmann and two daughters; Capt. W. Lansing, '25, Frances (King) Lansing, f. s. '26, and two children; Capt. A. M. Brumbaugh, '27, Ruth (Allen) Brumbaugh, f. s. '30, and daughter; Hubert L. Collins, '23, M. S. '29, Lois (Richardson) Collins, '25, and two children; Mamie (Frye) Nystrom, '07; Libbie Smercheck, '32.

Homer Henney, '21, Mrs. Henney and son; Zephernine (Towne) Shaffer, '11; Robert Osborn, '17, and Amy (Lamberson) Osborn, '17; Gordon, '40, and Gaylord Green, '40; Keith Harrison, '40; Carter Anthony, '40, and Mary Frances (Davis) Anthony, '39; William Ackley, '40, and Margaret (Clark) Ackley, '40; Lester Hoffman, '40, and Lucile (Spring) Hoffman, f. s. '38; Robert E. Marx, '40; Waldo Tate, '40; Tom Neil, '40; Wayne B. Morgan, '40; Arthur Bell, '40; Edward G. Smercheck, '40, and Floyd W. Berger, '40.

MARRIAGES

WAY—SWEET

The marriage of Ruby DeLene Way to Lt. Thiel H. Sweet, Ar. E. '40, was June 6. Lieutenant and Mrs. Sweet have gone to Coupeville, Wash., where he is stationed at Ft. Casey.

RANNELLS—SAMSON

Announcement was made this summer of the marriage of Helen Edna Rannels, D. S. '13, to Arthur William Sampson December 28, 1940. After September 1, Mr. and Mrs. Sampson will be at home at 1757 Oxford street, Berkeley, Calif. Mr. Sampson is an instructor there.

CLARK—SMITH

Mrs. Robert Beryl Smith was Olive Josephine Clark, H. E. '32, before her marriage May 31. She is a member of Delta Zeta sorority, and has been employed in Merchants' National bank in Topeka. Mr. Smith is an auditor for the Mid-States Freight Lines, Inc. Mr. and Mrs. Smith are at home at 1510 Western avenue, Topeka.

PRENTICE—SMITH

Doris Prentice, H. E. '31, became the bride of Theodore K. Smith, June 15. They are now at home at 428 Fremont. Mrs. Smith is a member of Theta Epsilon sorority for Baptist girls and has been employed for the past three years in the Department of Student Health at the College. Mr. Smith is employed in the Co-op book store in Aggieville.

THOMAS—HUYCK

Elnora Thomas, H. E. '40, and James K. Huyck, graduate of the Andover Newton Theological seminary at Boston, were married June 17. The bride, member of Phi Kappa Phi and Omicron Nu honorary societies, taught home economics in the high school at Barnes last year. Mr. Huyck has a pastorate at Hope Valley, R. I., where they are at home.

DUPREE—HOPKINS

Marguerite DuPre, M. Ed. '39, and John W. Hopkins, f. s., were married May 31 in Tulsa, Okla. They returned from the wedding to Pratt, where Mr. Hopkins is civil engineer for the Kansas State Highway commission. He has attended Kansas State College and is a member of Delta Sigma Phi and Mortar and Ball. The bride is a member of Alpha Delta Pi and Mu Phi Epsilon.

FRICK—DORAN

Emma Helen Frick, H. E. '39, and Vernon L. Doran, Ag. '38, were married May 17 in the Presbyterian church in Manhattan. The bride has been teaching home economics in Toronto high school the past two years. Mr. Doran, a member of Sigma Phi Epsilon, was for one year an assistant in the Department of Economics and Sociology at Kansas State College. He is now engaged in farming. Their farm is north of Macksburg.

RECENT HAPPENINGS ON THE HILL

Pres. F. D. Farrell and Oscar G. Stauffer, of the State Board of Regents, spoke at the opening assembly in College Auditorium September 15.

The annual Military ball, sponsored by the cadet officers club, has been set for December 6, according to officers of the organization. The ball will be in Nichols Gymnasium.

Tryouts for the Manhattan Theatre play squad begin this afternoon and will continue through Friday, according to Walter Roach, assistant professor of public speaking and new dramatics coach.

Ralph Samuelson, Manhattan, was elected president of Cosmopolitan Club last Thursday. Kenneth Yoon, Hawaiian student who had been elected president, did not return to school this year.

Members of K fraternity, organization of varsity letter-winners, began the sale of freshman caps on the campus this week. A special college ruling would not allow the sale of the caps on the campus during the first week of school.

The state Charter board September 11 approved a charter officially creating the Kansas State College Building association for the purpose of leasing a part of the campus from the State Board of Regents and of constructing and equipping a Student Union and one or more student dormitories.

DEATHS

SHEETZ

Laurene B. Sheetz, H. E. '31, died February 12 of tuberculosis. She was home service director of the Kansas Gas and Electric company in Arkansas City until she became a patient in the Norton sanatorium in June, 1938. She is survived by her mother and two brothers.

TRUE

The death of Otho S. True, B. S. '99, on July 28 was attributed to thrombosis. Mr. True, who has farmed at Paxico for many years, is survived by his wife, Pearle (Turner) True, f. s., a son, William A. True, f. s., and a daughter, Mrs. Claude Shaw, H. E. '12, of Holtville, Calif.

GUNSELMAN

William Gunselman died August 1 at the home of his daughter, Mrs. Charles Seal, Wakefield. He is survived by his five children: Myrtle Gunselman, '19, of the Department of Household Economics, Kansas State College; W. W. Gunselman, '26, Joplin, Mo.; Iola (Gunselman) Goodrick, '29, San Diego, Calif., and Fred T. Gunselman, f. s., Ft. Collins, Colo.

GARNETT

GREEK ORGANIZATIONS PLEDGE 231 STUDENTS AT RUSH WEEK

SORORITIES TAKE 89 GIRLS WHILE FRATERNITIES HAVE 142

Sigma Phi Epsilon Lists 22 as Prospective Members While **Kappa Kappa Gamma** Leads Women's Groups with 17

During the formal Greek organization rushing at the beginning of the present semester, a total of 231 students were pledged to fraternities and sororities. The women's organizations pledged 89 girls compared with 108 at the end of rush week last year. At the close of rush week for the fraternities, 142 men were given pledge pins, one less than a year ago.

Kappa Kappa Gamma pledged the largest number of co-eds, 17, while **Alpha Delta Pi** had 16 and **Pi Beta Phi**, 15. **Sigma Phi Epsilon** led the men's pledging with 22 while **Phi Delta Theta** and **Beta Theta Pi** each had 17.

CHI OMEGAS GET 14

The new sorority pledges listed by organizations included:

Alpha Delta Pi—Ernestine Baker, Topeka; Marcia Erskine, Washington, D. C.; Nina Fair, Alden; Elizabeth Fickel, Kansas City, Mo.; Ann Ford, Brookings, S. D.; Jean Marie Garrison, Emporia; Grace Marie Jordan, Chicago, Ill.; Martha Kingsley, Jetmore; Ruth Helen Nichols, Topeka; Marian Oldham, Manhattan; Doreen Paddock, Oberlin; Jane Smith, Stilwell; Shirley Swengel, Wichita; Esther Anne Weeks, Ft. Scott; Mary Elaine Wood, Overland Park; Marilyn Woods, Clearwater.

Alpha Xi Delta—Eunice Coski, Donnelly, Idaho; Loretta Cornelius, Hoisington; Alice Gillespie, Junction City; Patty Hodgson, Little River; Dorothy Kitselman, Manhattan; Betty Jean Lull, Haddam; Adelaide Swift, Holton; Julia Taylor, Colby; Oliver Webster, Burron.

Chi Omega—Marguerite Ault, El Dorado; Bonnie Callahan, Abilene; Marian Darby, Kansas City; Ruth Alice Dryden, Ellsworth; Marian Eaton, Hillsdale; Mary Louise Epp, Salina; Amy Griswold, Manhattan; Betty Alyce Hathorn, Leavenworth; Beverly Hills, Colby; Barbara Jean Schmidt, Anthony; Betty Jean Sluss, El Dorado; Barbara J. Sperry, Overland Park; Doris Swalwell, Southridge; Betty Whitney, Manhattan.

Delta Delta Delta—Janet Austin, Topeka; Sally Blake, Kansas City; Betty Caldwell, Ft. Riley; Virginia Flook, Canton; Lee Krebs, Wichita; Barbara Magill, Topeka; Patricia McCoy, Manhattan; Mary Jane Moore, Pratt; Mary Louise Monroe, Enterprise; Barbara Jean Riley, Wichita; Elaine Smith, Manhattan; Evelyn Stockwell, Hutchinson; Donna Wilson, Manhattan.

Kappa Delta—Jean Burnette, Parsons; Martha Cleveland, Wichita; Dorothy Forster, Wichita; Elizabeth Forster, Wichita; Twyla Gilchrist, Coldwater.

PI PHIS PLEDGE 15

Kappa Kappa Gamma—Jeanne Blackburn, Hutchinson; Irma Brooks, Norton; Mary Gallaher, Graham, Texas; Nancy Heberer, Manhattan; Joyce Lee Herres, Hoisington; Margaret Hobbs, Manhattan; Joan Hogue, Hutchinson; Frances Jackson, Hutchinson; Shirley Johnson, Kansas City, Mo.; Judith Jones, Kansas City, Mo.; Margaret Jean Lewis, Manhattan; Lela McNair, Arkansas City; Christine Maddox, Abilene, Texas; Betty Jeanne Sharp, Kansas City; Mary V. Stone, Honolulu, T. H.; Marjorie Stucker, Ottawa; Virginia Venning, Concordia.

Pi Beta Phi—Barbara Belwood, Kansas City, Mo.; June Bisagno, Augusta; Jo Anne Cooney, Evanston, Ill.; Ruth Catherine King, Enterprise; Marcelene Linscheid, Hutchinson; Ruth Kyle MacDonnell, Larned; Vivian Marlow, Meade; Marjorie McCrory, Hutchinson; Cecile Rexroad, Hutchinson; Mary Jane Sims, Parsons; Meryl Smith, Colby; Charlotte Stevenson, Oberlin; Margaret Stewart, Kansas City, Mo.; Roberta Townley, Abilene; Sara Winkler, Manhattan.

At the close of men's rush week, 14 fraternities announced the pledging of the following men:

Alpha Gamma Rho—Leo Gavert, Plainsville; Dean Hoppas, Menlo.

Alpha Tau Omega—Emerson Chance, Colby; George Fuhrken, Washington; James Warren Guthrie, Kansas City; Warren Heaton, Norton; Don Maskill, Kansas City; Glenn Scanlan, Chapman; Fred Sherlock,

St. Francis; Ross D. Skinner, Delphos; Robert Smith, Sterling; Warren Thorpe, Atchison.

Beta Theta Pi—Alan Bradbury, Coffeyville; William Dibble, Topeka; Frank Fenton, Manhattan; Bob Gentry, Wichita; David Holtz, Manhattan; Martin Howell, Topeka; Bob Johnson, Hutchinson; Edgar Johnson, Kansas City; Hugh Kershner, Kansas City; Dan Lovett, Larned; Hugh MacLean, Topeka; John McLain, Kansas City; Edward Marx, Ellis; Richard Proffitt, Chase; Frank Stiles, Overland Park; Gene Swafford, Fort Scott; John C. Winters, Kansas City.

Delta Tau Delta—Bob Barofsky, Ellsworth; Embert Coles, Colby; Don Honza, Kansas City; Bill Burlow, Manhattan; Francis Kaspar, Wilson; Harry Merriman, Marysville; Roy Miller, Kansas City; David Olson, Wichita; Joe O'Neal, Colby; Roy Oswald, Iola; Jack Perkins, Kansas City; Milton Robertson, Ft. Bragg, N. C.; Charles Seiler, Topeka; Sam Strong, Kansas City; Olin Tippett, Kansas City; James Weary, Junction City.

Kappa Sigma—Charles Abbey, Newton; Gene Coulson, Wichita; Jack Dean, Harveyville; Dick Holmes, Wichita; James Nebergall, Newton; Calvin Strowig, Abilene; Don Toevs, Newton; Wilbur Wilson, Hoisington.

Phi Delta Theta—Charles Bacon, Hutchinson; Preston Brecheisen, Garden City; Jack Griffin, Basehor; Robert McClean, Kansas City; John McClure, Eureka; Walt McKean, Manhattan; Rodney Newman, Arkansas City; Kenneth Obert, Manhattan; George Padgett, Greenleaf; H. J. Perreten, Kansas City; Jack Quinly, Kansas City; Jack Rising, Westfield, N. J.; Jack Salyer, Dodge City; Bob Schindling, Leavenworth; Dick Swartzel, Kansas City, Mo.; Glenn Weatherby, Neodesha; Bill Young, Kansas City.

Phi Kappa—Lawrence Armagost, Kansas City; Emanuel Doll, Ellinwood; Edward Jacoby, Rochester, N. Y.; Lawrence Jilka, Salina; Warren Kerbs, Clafin; Richard Kloss, Mt. Olive, Ill.; Joseph Luckeroth, Seneca.

S. A. E.'S PLEDGE 11

Phi Kappa Tau—Fenton Fleming, Kanopolis.

Pi Kappa Alpha—Gregg Chappell, Topeka; Roy Harvey, Junction City; Arthur McFadden, Mullenville; Kenneth Rice, Greensburg; Addison Skaggs, Leavenworth; Dick Steele, Smith Center; Robert Tucker, Liberal.

Sigma Alpha Epsilon—Earl Chappell, Manhattan; Robert Davis, Liberal; Belmont Durham, Kansas City; Kenneth Hewson, Larned; Donald Keith, Manhattan; Jim Osbury, Wichita; Bill Otten, Wichita; T. J. Richardson, Creston, Calif.; Alan Spalding, Wichita; Jack Spratt, Wichita; Everett Stephenson, Wichita.

Sigma Nu—William Adams, Manhattan; Wayne Bland, Ft. Scott; Leonard Brown, Sharon Springs; Don Clarkson, Kansas City; Sam Cole, Ft. Scott; Phil Erickson, Overland Park; Winn Farmer, Kansas City, Mo.; Howard Ihloff, Jetmore; Leonard Johnson, Norton; Clyde Moles, Merriam; Jack Muse, Manhattan; Leo Neal, Belleville; Edwin Parks, Ft. Scott; Jack Smith, Lyons; Jeral Stewart, Wellington; Frank Tomlins, Wellington.

Sigma Phi Epsilon—Bob Brass, Wetmore; Charles Burson, Manhattan; Bill Busenbark, Manhattan; Robert Carlson, Americus; Frank Dill, Sterling; Homer Elling, Manhattan; Floyd Frisbie, McDonald; Bob Gray, Geneseo; Howard Hamlin, Manhattan; James Heter, Sterling; Harold Hunt, Manhattan; Ralph Jones, Stafford; Hugh R. Kirkpatrick, Bogue; Linton Lull, Smith Center; Charles Miller, Marquette; Robert Muchow, Topeka; Maurice Nelson, Newton; Louis Olson, Marquette; Harry Oswalt Jr., Garden City; Bentley Randall Jr., Ashland; James Smith, Manhattan; Lloyd Tarrant, Stafford.

Tau Kappa Epsilon—Melvin Burkhead, Beloit; Don Burnett, La Cygne; J. B. Chaplin, Kansas City; Harry Creal, Kansas City; Robert Henrickson, Hays; Foster Kordisch, Kansas City.

Theta Xi—Joe Miller, Liberal; Robert White, Liberal.

Ruth Haines Visits Campus

Miss Ruth Haines, former secretary for the YWCA here, visited Kansas State College last week. She is now secretary for the YWCA at the University of Washington, Seattle.

KANSAS STATE COLLEGE—1941 FOOTBALL SCHEDULE

Sept. 27—Ft. Hays State College (Boy Scout Day)	MANHATTAN
Oct. 4—Northwestern	Evanston, Ill.
Oct. 11—Missouri	Columbia
Oct. 18—Oklahoma (Parents' Day)	MANHATTAN
Nov. 1—Nebraska (Homecoming)	MANHATTAN
Nov. 8—South Carolina University	MANHATTAN
Nov. 15—Kansas University	Lawrence
Nov. 22—Iowa State	Ames
Nov. 29—Arizona	Tucson

EXTENSIVE REMODELING AND REPAIRS MADE ON CAMPUS DURING VACATION

Fairchild Hall Has New Room for Storing Collection of Entomology and Zoology Departments

Extensive remodeling and repairing projects were made during the summer on the campus.

One of the largest projects was the construction of a large two-room underground vault, dubbed by students as the "bomb-proof shelter". It is located in the ventilation court in the center of Fairchild hall, and will be used for the storage of collections of the departments of zoology and entomology. The vault is of concrete, with reinforced concrete roof and heavy steel doors.

A balcony has been built in the lecture room in Veterinary Hall to increase the seating capacity by about 90.

A new sewer line is being laid across the campus to meet a new line being placed across North Manhattan by the city. About 500 feet of pipe is being laid by the College.

Several dozen guinea pig cages will be constructed for the department of animal husbandry to replace those lost in the barracks fire. The guinea pigs are now being housed in the Ag Pavilion.

Kedzie hall has been remodeled, with three rooms being constructed on the back porch, for use of student publications. They are being insulated.

An open kitchen has been installed in Calvin hall, C96, for the department of food economics.

A new water service line has been laid to the illustrations building.

Bids have been let for a new fire escape on Dickens hall, horticulture building.

SUBSTITUTES FOR TANKAGE DISCUSSED IN PUBLICATION

D. C. E. Aubel Discusses Five Years of Experiments with Swine

Comparative values of substitutes for tankage—the standard protein supplement in swine feeding rations—are discussed in a recent publication of the Kansas Agricultural Experiment station, "Swine Feeding Investigations, 1938 to 1940," by Dr. C. E. Aubel, swine specialist.

Included in the publication are the results of three swine-feeding problems conducted by Doctor Aubel during the five-year period. The problems were the relative value of various protein supplements and protein supplementary mixtures; corn versus blackstrap molasses for fattening pigs; and self-feeding sows and litters. Four substitutes for tankage tested on experimental lots of pigs included peanut oil meal, whole soybeans, both expeller and solvent processed soybean oil meal, and fish meal.

Tests of the advisability of substituting blackstrap molasses in part for corn in the swine-feeding ration showed that the molasses did not increase the palatability of any ration and that the average daily gain was lower in lots that received molasses.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Money expresses faith in government and faith in one's fellowmen."

Money is the embodiment of human faith. It expresses faith in government and faith in one's fellowmen. In bygone years when the monetary systems of the world were based upon the gold standard, such faith was not expressed so completely by money. In those times the doubter could take his paper money to the government and obtain in exchange for it a commodity, gold, which had full value as a commodity. Now that such exchange is no longer possible people are equally willing to accept money as evidence of promises that are never questioned. A dollar is a dollar and is accepted as such. That is faith.

Appoint Dean Justin

Dean Margaret M. Justin of the Division of Home Economics at Kansas State College, Manhattan, has been named to the sub-committee on women in college and defense. The sub-committee, sponsored by the national committee on education and defense, is headed by Meta Glass, Sweet Briar, Va. The committee met in Washington, D. C., September 3, to discuss (1) recommendations to extend training to additional persons in activities directed by the colleges (2) additional training in subjects to the students who are already in college, and (3) guidance for the coming school semester in the light of present needs.

TWO COLLEGE ALUMNI ARE NAMED BY STATE EDITORIAL ASSOCIATION

Ralph Shideler, '24, Frank Boyd Selected for Executive Committee by Group

Two Kansas State College alumni were elected to the executive committee of the Kansas Editorial association at its annual meeting in Wichita in June, and several others connected with the College were prominently identified with the meeting. Ralph Shideler, '24, of the Girard Press, and Frank Boyd, f. s., of the Phillips County Review and chairman of the state board of administration, were named to the executive committee from the third and fifth districts, respectively.

Mrs. Ben Mickel of the Soldier Clipper, mother of L. B. Mickel, '10, and J. Byron Cain of the Belle Plaine News, father of Paul Cain, f. s., also are executive committee members.

Mrs. Frank Boyd, '02, president of the Kansas Press Women, presided over one of the Kansas Editorial association sessions, introducing as chief speaker of the morning Mrs. B. J. Bless, Jr., Weston, Mo., who is president of the National Federation of Press Women, Inc.

Honored by the convention as outstanding newspaper workers of the year were Miss Anna Carlson, Lindsborg News-Record, and A. Q. Miller, Sr., publisher of the Belleville Telescope. Several members of the Miller family have attended Kansas State College.

Talks on Science Reporting

The part played by the newspaper in hastening the practical application of scientific developments was stressed by Hillier Kriegbaum, associate professor of journalism, in a talk on "The Newspaper's Role in Science" at the Sixth International Congress for the Unity of Science at the University of Chicago Sept. 5.

Aiken Wins Sears Award

John Aiken, son of Mr. and Mrs. James F. Aiken of Moran, has been awarded the \$200 sophomore Sears Foundation scholarship for the current year at Kansas State College.

C. W. Mullen, assistant dean of agriculture, said that one of the 15 freshman Sears scholarship winners is selected for the sophomore honor. Basis of selection is scholastic average and extra-curricular activities.

ADAMS SHIFTS THREE ENDS TO GUARD, TACKLE POSTS

PETERS, KIER, HEATH INVOLVED IN CHANGES OF POSITIONS

Kansas State Coach Believes Wingmen May Be Best in Big Six Conference; 12 Lettermen and Seven Squadmen Return

Coach Hobbs Adams took a long look at the wealth of Kansas State College end talent, then moved out three wingmen in an attempt to solve the perplexing guard and tackle problems.

Two boys involved in the position changes—Richard Peters, Valley Falls, and Charles Kier, Mankato—are lettermen. A rugged, 194-pounder, Peters earned a "K" at end both his sophomore and junior years. Kier earned his letter at halfback as a sophomore last season. Now Peters is showing promise as a tackle and Kier is rapidly learning a guard assignment. Clarence Heath, a promising sophomore from Leoti who weighs 190, has been moved from end to learn tackle duties.

BEST IN BIG SIX

In spite of these changes, Kansas State still has a crew of ends which many believe will be the strongest in the Big Six conference. The leading quartet includes Frank Barnhart, Ft. Riley, and Jim Watkins, Manhattan, both lettermen, and Zeno Berger, San Diego, Calif., and Wayne Sundgren, Hays, both sophomores. Behind them are three other sophomores who may develop into hard boys to keep from regular duty, Bill Engeland, Sterling; Lanky Darren Schneider, St. Francis; and Chet Peters, Richard Peters' younger brother, Valley Falls.

Of the 53 candidates reporting, 12 are lettermen, seven are squadmen with limited experience, and the remaining 34 have had no experience.

The candidates, with (K) denoting lettermen, include:

Ends—Frank Barnhart (K), Ft. Riley; Harold Bonham, El Dorado; Zeno Berger, San Diego, Calif.; Bill Engeland, Sterling; Leon Halbrook, Neodesha; Clarence Heath, Leoti; Charles Kier (K), Mankato; Chet Peters, Valley Falls; Richard Peters (K), Valley Falls; Darren Schneider, St. Francis; Wayne Sundgren, Hays; Jim Watkins (K), Manhattan.

TWO TACKLES HAVE LETTERS

Tackles—Bob Campbell, Junction City; Lawrence Duncan (K), Lucas; Lauren Edgar, Manhattan; Bob Fanshier, Great Bend; Marvin Hamilton, Mankato; Earl Hunter, Iola; Norbert Raemer (K), Herkimer; Laymon Weddle, El Monte, Calif.; Norman Whitehair, Abilene.

Guards—Joe Glavinich, Kansas City; Ed Huff (K), Marysville; Phil Lane, Manhattan; Dick Lanphere, Osawatomie; Cliff Makalous, Cuba; Marvin Repstine, Atchison; Fred Sprague, Lincoln; Herb Vanderlip, Manhattan.

Centers—Bill Cook, Manhattan; John Hancock, St. Francis; Mark Hullings, Effingham; Don Shaffer, Wichita; Roy Sherrell, Lincoln; Homer Socolofsky, Marion.

QUICK, ROKEY RETURN

Quarterbacks—Francis Gwin, Leoti; Bill Quick (K), Beloit; Ray Rokey (K), Sabetha; Mike Zeleznak, Kansas City.

Halfbacks—John Bortka, Kansas City; Junior Erickson, Neodesha; Calvin Miller, El Dorado; Lee Ramage, Lyons; Richard Rogers, Manhattan; Ned Rokey, Sabetha; Max Timmons (K), Fredonia; Tom Zouzas, Ellsworth.

Fullbacks—Bill Cochrane, Salina; Kent Duwe (K), Lucas; Lee Jones, Pretty Prairie; Neal Snow, Neodesha; Lyle Wilkins (K), Delphos; Earl Williams, Dodge City.

Select Sears Scholars

Fifteen Kansas farm boys who this year won Sears Agricultural Foundation scholarships of \$150 each, were Darrell Bollinger, Dellvale; Virgil Bolton, Smith Center; Lauren Brunner, Ramona; William H. Burch, Fowler; Milo Conrad, Bloom

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, September 24, 1941

Number 2

STATE NUTRITION COMMITTEE CHARTS MEETINGS IN TOPEKA

BETTER KANSAS HEALTH WILL BE CONFERENCE KEYNOTE

Representative of Federal Security Agency Praises Program Which Has Been Launched by Committee Under Dean

How organizations can help bring better health through nutrition to their communities will be emphasized at a state-wide conference of civic, social welfare and home economics leaders October 17 and 18 in Topeka.

Plans for this conference, called by Gov. Payne H. Ratner, were outlined last week at Kansas State College at a meeting of the State Committee on Nutrition in Relation to National Defense. Dr. Margaret M. Justin, dean of the Division of Home Economics, is chairman.

PRAISES STATE PROGRAM

"The groundwork for a state-wide program in nutrition in Kansas is amazingly well-laid," said Miss Mary Vaughn of the Federal Security agency, Washington, after conferring with the group. Miss Vaughn and Doctor Justin attended a local nutrition committee meeting in Wichita Saturday.

Invitations to the conference will be sent to a limited number of Kansas leaders of both men's and women's organizations, home economists, physicians, educators and social welfare and public health workers.

TAKE COURSE HERE

A nucleus of home economists, under the direction of the State Board for Vocational Education, already has begun the work of nutrition education with organizations and is holding training courses for women with home economics degrees. One course, with 37 women enrolled was conducted in Topeka last week. The leaders for these courses prepared for this program at a week's refresher course in July at the College.

Committee members at the Kansas State College meeting last week included: Miss Helen Myers, Farm Security administration, Topeka; Miss Pearl Rorabaugh, State Board of Public Health, Topeka; Miss Hazel Thompson, State Board for Vocational Education, Topeka; Dr. Paul Belknap, Topeka; Miss Viola Anderson, Miss Hermina Zipple, and Dr. Ralph I. Canuteson of the University of Kansas, Lawrence; Miss Josephine Marshall, of Kansas State Teachers college, Pittsburgh; Mrs. Z. H. McDonnell, Wichita; Dr. Martha Pittman, Dr. Katharine Roy, Miss Gertrude Allen, Dr. M. W. Husband, Miss Mary L. Small, and Dr. W. E. Grimes of Kansas State College.

MATERIALS INSPECTION COURSE DRAWS 14 PREPARING FOR CONSTRUCTION JOBS

Class, Which Will Continue for 12 Weeks, Has Expenses, Except Living Costs, Paid by Federal Government

A new course in the engineering defense training program offered at the College opened Monday with 14 enrolled. The course, materials inspection for highways and airports, is one of several through which the federal government and the College are preparing men and women for jobs in defense industries.

The inspection study will continue for 12 weeks, during which time all the student's expenses except living costs will be borne by Uncle Sam. The graduates will be trained to meet the demand for laboratory and field inspectors on highways and airport construction, a demand expected to increase as supplies and soldiers are transported in carrying the national defense program forward.

A 12-week course in engineering drawing also is in progress. Another similar course will begin about November 1.

Another new course, one in spectroscopy, X-ray and optical technique, will begin in a few weeks, according to Clem W. Griffith, assistant representative of the training program.

Dies in Air Crash

Leland Viar, Dunlap, B. A. '39, was killed in a three-way airplane crash near Natchitoches, La., Friday. Viar, a second lieutenant, was a member of Scabbard and Blade, Reserve Officers association, Student Commerce association, and Sigma Phi Epsilon fraternity in College.

DR. D. C. WARREN SELECTED HEAD OF POULTRY SCIENCE ASSOCIATION

Geneticist Is Named at Stillwater Meeting to Be President of Group Having 600 Members

Dr. D. C. Warren, geneticist in the Department of Poultry Husbandry, was elected president of Poultry Science association at the organization's annual meeting at Oklahoma A. and M. college, Stillwater, last month. The association is composed of approximately 600 members engaged in state and government teaching, research and extension work in the United States and Canada.

A graduate of the University of Indiana, Doctor Warren received his Ph. D. in 1923 from Columbia university, New York City, in the field of genetics. He came to Kansas State College that year.

Last year he was awarded the Borden prize of a gold medal and \$1,000 for meritorious work the past seven years in poultry genetics. Some of his major work has been studies in hybrid vigor, early feathering and the linkage of autosomal characters in poultry.

The first poultry science extension and teaching prize of \$100 for 1941 was awarded to Prof. G. T. Klein of Massachusetts State college for his effective extension teaching, the preparation of many kodachrome moving picture films and his success in carrying out his projects. Mr. Klein took his master's degree in poultry husbandry at Kansas State College in 1926, and for eight years was an extension poultryman in Kansas. He went from Kansas to Massachusetts in 1934.

At the same meeting, Prof. L. F. Payne, head of the Poultry department, was elected an honorary fellow of the Poultry Science association in recognition of his services to the poultry industry.

STUDENTS AT ASSEMBLY THURSDAY WILL VOTE ON ELECTION CHANGES

Amendment Provides that Student Council Candidates Would Be Selected Only by Own Division

Students at Kansas State College will vote on a proposed new amendment to the Student Governing association constitution at a special assembly Thursday morning. This amendment, if approved, will allow students to vote only for those candidates for Student Council from their own division.

In other years the students have voted for candidates from every division. Recently the Student Council proposed the new amendment which will eliminate the so-called "popularity contest" element from future elections.

Another change recommended by the Council is the apportioning of representatives on the Council to the size of the division. Heretofore, two members have been elected from every division except the Division of Veterinary Medicine, which had only one. The presiding officer was then chosen from this group.

Members of the Student Council are Larry Spear, Mission, president; Donald Moss, Miltonvale; Dorothy Beezley, Girard; Jane Haymaker, Manhattan; Ralph Perry, Oskaloosa; Faye Clapp, Manhattan; Dick Gorham, East Hartford, Conn.; Ray Rokey, Sabetha; and Robert Singleton, Kansas City.

Farrell's Entertain at Tea

Kansas State College faculty members were guests at a garden tea given by Pres. and Mrs. F. D. Farrell Saturday from 3:30 until 5:30 p. m. This was the tenth annual garden tea given by the President and his wife.

TWO EXPERIMENT STATION EXPERTS WARN AGAINST "INFERIOR" WHEAT

Two Kansas Agricultural Experiment station wheat specialists have issued a joint statement in which they cautioned Kansas farmers against the growing of "inferior varieties" of wheat. The men, R. I. Throckmorton, head of the department of agronomy; and Dr. E. G. Bayfield, head of the department of milling industry, said that in periods "such as the present, when there is an abundance of wheat, every effort should be made to produce a high quality product."

"Growing of inferior varieties during periods when production exceeds demands invites discrimination against regions growing such varieties," Professor Throckmorton believes. "Kansas wheat producers for many years have been jealous of the reputation of their product."

The reputation for Kansas wheat was won with high quality bread wheats and has been established over several decades during which time Turkey or similar types of wheat comprise a high percent of the state's total production thus giving rise to wheat of relatively uniform quality throughout the state, the professor said.

"The future of the wheat industry in Kansas is dependent, in part, at least, upon whether the quality and uniformity of the grain produced is maintained on an equally high level," Professor Throckmorton predicted. "The introduction and extensive growing of varieties that are decidedly different from Turkey in milling and baking characteristics could destroy the reputation Kansas wheat has enjoyed and ultimately seriously injure the wheat industry."

Numerous milling and baking tests conducted at the Agricultural Ex-

periment station, federal and commercial laboratories have furnished evidence "to prove beyond a doubt that some of the recently distributed varieties of wheat as Chiefkan and Red Chief are inferior to Turkey wheat as commercial bread wheats," Doctor Bayfield said. "Such varieties, therefore, constitute a definite threat to the wheat industry of Kansas."

Purchasers of bread wheats will go to other states to fill their requirements if Kansas farmers permit wheats of undesirable milling and baking quality to be grown to any appreciable extent, the specialists agreed, pointing out that "quality" in a bread wheat means far more than the typical characteristics of test weight, color, or protein content.

"Quality," they pointed out, "means the capacity of the wheat to make good flour which will in turn make high quality bread under commercial baking conditions."

Doctor Bayfield said that varieties such as Chiefkan meet with disfavor from the milling industry "because the miller encounters difficulties in disposing of the flour from these wheats. The commercial bakers, who buy most of Kansas flour, require a flour milled from high quality wheat which is relatively uniform."

"Commercial bread production today is a highly mechanized process. Flours milled from Chiefkan wheats produce doughs that do not handle satisfactorily in processing in commercial bakery machines. When the dough is baked, the loaf of bread produced is undersize, rather heavy and coarse. Such bread is not popular with the public of this country," Doctor Bayfield concluded.

ALBERT A. STEWART

By Dr. J. T. WILLARD
College Historian

The senior former member of the faculty, A. A. Stewart, died in Colorado Springs, Colo., August 6, 1941, in the 86th year of his age. He was born in LeRoy, Wis., November 4, 1855. With his parents he moved to Adel, Iowa, 1857. Sauk Center, Minn., 1865, and Neosho, Mo., 1866. He was a printer's apprentice at 12 years of age, and dependent upon himself at 15. He worked in various printing offices in Iowa, Missouri and Kansas.

When Pres. John A. Anderson was organizing industrial education in the College in the fall of 1873, he taught printing himself with the aid of a student, M. W. Shillerston. The next spring, on the recommendation of a student, Mr. Stewart was appointed, and began service April 1, 1874, in his nineteenth year of age. THE INDUSTRIALIST was founded April 24, 1875, to afford practical laboratory work for students in printing, and to serve as the official College paper. Mr. Stewart was very successful in developing the printing department, and remained superintendent until October 1, 1881, when he went to the Topeka Capital as foreman of the job department. This closed his official connection with the College. For several years while at the College, he carried work as a student, and it was a life-long regret with him that he allowed a few dollars a month in salary to prevent his graduation.

Though having no further official connection with the College, Mr. Stewart maintained a continuous interest in it. This was fostered by residence in Manhattan. He returned in 1884 and for a time owned a half-interest in the Manhattan Nationalist. In July, 1884, he was appointed postmaster by President Arthur and served to 1886, when President Cleveland removed him for alleged "offensive partisanship."

Limitations of space prevent fol-

lowing in detail the subsequent career of Mr. Stewart. He bought the Manhattan Daily and Weekly Republic in 1890, and the next year changed the politics of the papers from Republican to Populist. This introduced a stormy period of his life, and his fortunes were linked more or less with the dominance of the Populists.

In January, 1894, he was appointed superintendent of the State School for the Deaf in Olathe, Kan., but lost the position in December, 1895, on account of a reversal in the political control of the state. Following defeat of the Republicans by a fusion of Democrats and Populists in 1896, he was in July, 1897, reappointed to the superintendency of the School for the Deaf, but again lost the position in April, 1899, on account of politics.

Mr. Stewart sold the Republic in May 1898. He was an active supporter of President Will and of the policies of the Board of Regents which took office in 1897, and used his influence in their behalf in 1899, when the investigation of two of the regents was in progress. Had President Will remained in power he would have been made superintendent of the printing department again.

From 1900 to 1908, Mr. Stewart resided in his boyhood home, Neosho, Mo. For most of this period he was with an uncle in a meat marketing business. In 1908 he was chosen to be the first superintendent of the Oklahoma School for the Deaf which was later located at Sulphur. He resigned this position in 1913, and moved to Colorado Springs, where he was in several lines of business until May, 1923, when for the third time he was made superintendent of the State School for the Deaf at Olathe, Kan. He resigned in April, 1925, to avoid another political removal, and returned to Colorado Springs.

For most of the next 10 years Mr. Stewart was in the proofreading de-

COLLEGE WILL GIVE CREDITS FOR CIVILIAN PILOT TRAINING

PRESIDENT FARRELL APPROVES AVIATION PROJECT

Schedule Becoming Effective This Month Provided for Three Hours in Primary and Four for Advanced

Permission to allow three college credits for the primary course and four credits for the secondary course in the Civilian Pilot Training program, starting this semester, was approved by Pres. F. D. Farrell last week.

In explaining his action in approving the credits to be allowed for the course, the President said:

BEGAN TWO YEARS AGO

"Since the establishment of the Civilian Pilot Training program, which began here more than two years ago, the college credits offered for the completion of the course have changed from time to time as conditions and the nature of the course have changed. All the changes that have been made have been recommended by our director of the Civilian Pilot Training program with the approval of the dean of the Division of Engineering and Architecture.

"The credit schedule which becomes effective this month provides three semester hours of credit for the completion of the primary course and four semester hours of credit for the completion of the advanced course. These credit allowances are approximate averages of the allowances for similar work at other colleges and universities. They are neither so high as the highest nor so low as the lowest allowed in other schools."

NO WORLD WAR COMPARISON

Discussing how this compared with credits offered for courses during the World war, President Farrell said, "There is no satisfactory basis for comparing these credits with credits given students who were stationed at the College as members of the Student Army Training corps during the first World war. Those students were definitely in military training whereas the present training course, as the name indicates, is a civilian pilot training program."

The quota for the primary flying course is practically filled. There is a bare possibility, according to Prof. C. E. Pearce, department of machine design, that if a third unit of 12 can be filled, that permission from the national directors of the Civilian Pilot Training program might be obtained to maintain it. A few more students may be admitted in the secondary course. Flying and ground instruction is expected to begin this week.

TWO COURSES AT AIRPORT

To those who complete these two courses, there are two additional ones at the airport, the cross-country course and the cadet instructors course. On completion of all four of the flying courses, a student is eligible to receive a commercial pilot's certificate with an instructor's rating.

TWO COLLEGE GRADUATES HELP EDIT NEW MAGAZINE

Grace Mary Gustafson, Clementine Paddeford Have Jobs with Publication

Grace Mary Gustafson, H. E. '38, and Clementine Paddleford, I. J. '21, are among the editors of a new magazine for college women, Design for Living, the first issue of which came out this month.

Miss Gustafson, who formerly was home economist in the Consumer Relations department of Borden company, Chicago, is managing editor of the new publication. Miss Paddleford, who is also food editor of the New York Herald Tribune, has charge of the food section.

Margaret Bayless, Wakarusa, junior in the Division of Home Economics, is one of 12 "Deb" editors selected from college women over the United States. She helped co-operate in a survey of what typical college women wore by making a study of Kansas State College co-eds.

(Continued on last page)

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY Editor
HILLIE KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, SEPT. 24, 1941

THE "NEW COLLEGE FARM"

It is difficult for those who have known the beauty of the Kansas State campus for years to realize the role that chance, a municipal bond election, and a fine stone barn had in establishing the campus on its present site.

Seventy years ago College classes were still being held in the old Bluemont Central college building, the site of which was then and is yet well removed from the city limits of Manhattan. The present campus was still in private hands. Then the town of Manhattan, at a municipal bond election, voted \$12,000 to be used in buying the tract adjoining the town limits for a College farm.

The following year (J. T. Willard tells the story in his history of the College) one wing of what was planned as an elaborate stone barn was built on the "new farm" through a legislative appropriation.

For three years the wing was in use as a barn. Meanwhile the disadvantages of the rural location of the College campus became more and more apparent, despite the fact that a boarding house nearby helped to alleviate the situation.

Under the prodding of new Pres. John A. Anderson in the spring of 1875, the Board of Regents authorized remodeling of the stone barn on the "new farm" and the cattle were evacuated. In the summer of 1875 most of the College moved to the new site, and the remodeled barn became for a time the main College building. It served for many years as an armory, part of it as a residence, and has been used for many other purposes. It still stands on the north end of the campus and is still in use by the College as Farm Machinery hall. After the removal of the main work of the College to the "new farm" it was gradually developed through the years into the present Kansas State campus.

MEET MACK GOWDER

You would enjoy Mack Gowder. In a section that is red, raw and gullied, he has developed toward his land an attitude that is just about perfect.

Born and raised there in the southern Piedmont hills, he saw his own father's land wash away. He saw his neighbors' farms erode into uselessness. He worked for those neighbors, saved a few dollars against the time he could buy land of his own. Twenty years ago he made a down payment on a hundred acres. That probably is the only thing he ever bought on time. Out of those hilly woods he hacked a home for himself and a family of seven children. He cleared a few acres—very few, for a little patch of cotton, some corn, peas and garden truck. Every field he terraced and terraced well.

Why Mack Gowder didn't clear his entire tract and farm it hard in the customary way, I don't know. A thrifty, red-headed Irishman, I suppose his environment emphasized waste and discouraged him from wasteful habits.

"Somehow it's just against my nature to waste things," he told me. "Now, you take fire. Only thing we ever burned on this place was the brush when we cleared some of the land. We dug up all the stumps . . . some of 'em was six feet deep, but we dug 'em . . . split 'em and burned

'em in the house. I cut out the dead trees whenever I can get to it . . . make a lot of fuel wood and sell some. But the nice big healthy trees and the young straight ones, we let grow."

"I'm bothered right smart with sawmill men," Gowder said early this year when, all through the South, axes and saws were slashing farm woodlots to the tempo of World War II. "They want to buy me out but I won't sell. We need a little repair stuff now and then and a feller never knows, he might burn out sometime . . . the house or the barn."

I ventured the suggestion that he could build dozens of barns and houses and still have sawlogs to spare.

"I reckon that's so," Gowder replied, "but I learned a long time ago that you always want to have plenty of dry wood against a rainy day. I don't need to sell those trees, brother, and if I don't ever need 'em, somebody else will. And I figure that's the way we ought to look at it. The land and what it grows don't belong to nobody in particular. It kinda belongs to everybody, and I figure what we don't need we ought to sort of keep until somebody does need it."

This Hall county, Ga., hill man has not allowed his feeling for the soil to become a fetish. It has simply grown with him through the years, without making him one-sided. Home life for the Gowders is plain but adequate. Their land has fed, clothed and sheltered them. They use at one and the same time, the old-fashioned cradle for harvesting small grains, and a shining 20th-century automobile to carry them where they want to go. The parental home has no modern conveniences, unless you could mention good oil lights—but Gowder is studying how he can pipe water up from the spring. Members of the family sing together in the evening, just as they work together in the daytime. In the flickering light of the fireplace, with the family gathered around the piano and harmonizing on some time-worn melody, the world's unhappiness seems very far away; in their weather-beaten cottage the Gowders have the security and peace that all the world is seeking.

When this Georgia Irishman and his wife bought their land 20-odd years ago they determined to keep it good, knowing that some day their children might need it. Their oldest son is married now and continues to farm with his father. They have added a small tract of 28 acres to the original place. Three other married children live within easy visiting distance. Three youngsters still live under the parental roof.

At 58 Gowder takes life easier than he used to. He stood in the faint rays of a February sun, his back sheltered by acres of woodland leaning against the north wind, his face toward the terraced hillsides where rows of green wheat bent with the contour of the land. He talked of his land, his woods, of crops, of his bull-tongue scooter plow and his wide-rowed grain drill that is similar to those used in the Great Plains.

"It's easy to handle the land," he observed, "if people didn't want to see how many dollars they can get out of it. I could have made a lot of money raising more cotton, but I didn't need the money and nobody else needed the cotton."—F. E. Charles, in *The Land*.

CREATIVE ARTISTS AND CRITICS

There are all kinds of creative artists in the world of literature, but there is only one kind of critic of books who is of the least value, and that is the critic who makes us want to go and read the books he criticizes. The function of criticism is to send people to literature.

And the aim of the teaching of literature is the same. The facts of literary history can be taught, but the only way in which the love of literature can be taught is by arousing the desire to read literature, and all the teacher can do towards that end is to describe and analyze his own enjoyment, to try to communicate his own sources of human and intellectual and artistic delight in books.

The heart of that delight is the same for everyone, for the power and the glory of literature will always be that it enlarges and enriches life. That is its value to the most primitive as well as the most accomplished reader; it is its universal and comprehensive activity. The small child, spelling out "Robinson Crusoe" or

'em in the house. I cut out the dead trees whenever I can get to it . . . make a lot of fuel wood and sell some. But the nice big healthy trees and the young straight ones, we let grow."

"I'm bothered right smart with sawmill men," Gowder said early this year when, all through the South, axes and saws were slashing farm woodlots to the tempo of World War II. "They want to buy me out but I won't sell. We need a little repair stuff now and then and a feller never knows, he might burn out sometime . . . the house or the barn."

I ventured the suggestion that he could build dozens of barns and houses and still have sawlogs to spare.

"I reckon that's so," Gowder replied, "but I learned a long time ago that you always want to have plenty of dry wood against a rainy day. I don't need to sell those trees, brother, and if I don't ever need 'em, somebody else will. And I figure that's the way we ought to look at it. The land and what it grows don't belong to nobody in particular. It kinda belongs to everybody, and I figure what we don't need we ought to sort of keep until somebody does need it."

This Hall county, Ga., hill man has not allowed his feeling for the soil to become a fetish. It has simply grown with him through the years, without making him one-sided. Home life for the Gowders is plain but adequate. Their land has fed, clothed and sheltered them. They use at one and the same time, the old-fashioned cradle for harvesting small grains, and a shining 20th-century automobile to carry them where they want to go. The parental home has no modern conveniences, unless you could mention good oil lights—but Gowder is studying how he can pipe water up from the spring. Members of the family sing together in the evening, just as they work together in the daytime. In the flickering light of the fireplace, with the family gathered around the piano and harmonizing on some time-worn melody, the world's unhappiness seems very far away; in their weather-beaten cottage the Gowders have the security and peace that all the world is seeking.

When this Georgia Irishman and his wife bought their land 20-odd years ago they determined to keep it good, knowing that some day their children might need it. Their oldest son is married now and continues to farm with his father. They have added a small tract of 28 acres to the original place. Three other married children live within easy visiting distance. Three youngsters still live under the parental roof.

At 58 Gowder takes life easier than he used to. He stood in the faint rays of a February sun, his back sheltered by acres of woodland leaning against the north wind, his face toward the terraced hillsides where rows of green wheat bent with the contour of the land. He talked of his land, his woods, of crops, of his bull-tongue scooter plow and his wide-rowed grain drill that is similar to those used in the Great Plains.

"It's easy to handle the land," he observed, "if people didn't want to see how many dollars they can get out of it. I could have made a lot of money raising more cotton, but I didn't need the money and nobody else needed the cotton."—F. E. Charles, in *The Land*.

CREATIVE ARTISTS AND CRITICS

There are all kinds of creative artists in the world of literature, but there is only one kind of critic of books who is of the least value, and that is the critic who makes us want to go and read the books he criticizes. The function of criticism is to send people to literature.

And the aim of the teaching of literature is the same. The facts of literary history can be taught, but the only way in which the love of literature can be taught is by arousing the desire to read literature, and all the teacher can do towards that end is to describe and analyze his own enjoyment, to try to communicate his own sources of human and intellectual and artistic delight in books.

The heart of that delight is the same for everyone, for the power and the glory of literature will always be that it enlarges and enriches life. That is its value to the most primitive as well as the most accomplished reader; it is its universal and comprehensive activity. The small child, spelling out "Robinson Crusoe" or

SCIENCE TODAY

By R. R. DYKSTRA
Dean, Division of Veterinary Medicine

Veterinary medicine has made many contributions to human health. The layman does not always understand how research with animals may influence, directly and indirectly, his own well-being.

Here are a few examples:

1. The late Dr. Maurice C. Hall, veterinarian in the zoological division of the United States Bureau of Animal Industry, discovered that hook worms in dogs could be removed almost 100 per cent effectively by the administration of carbon tetrachloride. This agent formerly had been used only in the dry cleaning of clothing and as a fire extinguisher. When applied to human beings, carbon tetrachloride was equally effective and resulted in the saving, or at least making livable, the lives of thousands of people annually.

In the southern United States and in many tropical islands, hook worm disease was a serious menace to human health. It was responsible for the so-called "laziness" of people living in territories where the parasite is common.

2. Many years ago veterinarians through their research work determined that southern cattle fever is spread from an infected to a healthy animal by means of the so-called cattle tick. In other words, the cattle tick is the biological vector carrying the infection from the diseased to the healthy. This discovery had never before been made in the history of medicine. As a result of this discovery, southern cattle fever or Texas fever has been stamped out.

With this discovery as a basis, it was later determined that some human infections, particularly yellow fever and malaria, also were spread by means of an intermediate carrier or vector. Previous to these discoveries, it had been found to be impossible to stamp out these human diseases.

3. Some 25 years ago the veterinary profession originated a program which had for its objective the stamping out of cattle tuberculosis. This program, now virtually completed, is a source of great satisfaction to the

"Winnie the Pooh," and the cultivated reader of "Paradise Lost" or "War and Peace," are alike finding in books an extension and expansion of their actual living in the world of men. . . . It is the chief of the enjoyments of literature that through it we can share in a range of experience which we can touch in no other way.—Elizabeth Drew in the preface to "The Enjoyment of Literature."

INDUSTRIAL RESEARCH

It has been estimated that private industry in America spends about 250 million dollars a year on scientific research. Objective of this is to find new processes for the development of such products as plastics.—From the Pathfinder.

IN OLDER DAYS

From the Files of *The Industrialist*

TEN YEARS AGO

W. J. Bucklee, '23, was assistant sales manager for the celite division of the Johns-Manville company in New York.

Henry "Hank" Barr, '30, accepted an instructor's position in the Agricultural Engineering department at Iowa State college. He was also assistant coach of freshman football, baseball and track.

Prof. R. W. Conover of the Department of English discussed "Prize-Winning Novels—Pro and Con" over radio station KSAC. This was the first of a series of weekly radio talks broadcast from the College station by faculty members of the Department of English. Prof. C. W. Matthews had charge of the series.

TWENTY YEARS AGO

Alden G. Strong, '11, major in the C. A. C., was stationed at Coblenz, Germany.

Wellington Brink, '16, was managing editor of the Rice Journal and Southern Farmer at Beaumont, Texas.

H. P. Hess, '05, was manager for the southwestern district of the West-

ern Electric company with headquarters in Dallas, Texas.

THIRTY YEARS AGO

Oley Weaver, '11, was managing Bill Barlow's Budget, a weekly newspaper at Douglas, Wyo.

J. A. Jenkins, '11, went to Panama for one year as an electrical engineer in the government service.

Martin Dupray, '11, received notice that he had been allowed a four-year scholarship in chemistry and bacteriology at the University of Illinois. The scholarship was given by the university and the Illinois State Canners' association.

FORTY YEARS AGO

Miss Julia R. Pearce, '90, librarian of the College here for several years, was appointed an analyst of soils in the United States Department of Agriculture, Washington, D. C.

Capt. Ralph Harrison, formerly instructor of military science, who had been recruiting through Missouri with headquarters in St. Louis, was ordered to join his regiment in Cuba.

Sam Kimble, '73, was appointed judge of the twenty-first district court, to fill the vacancy occasioned by the new election law. This appointment was made upon the petition of a large number of the citizens of the district, and was a recognition of his "integrity, fairness and independence of mind, and legal acquirements."

FIFTY YEARS AGO

Doctor Mayo attended the meeting of the State Veterinary Society at Topeka. He was elected secretary.

Professor Georgeson read a paper before the Stock Breeders' association at Topeka on "The Head of the Herd."

H. M. Cottrell was appointed as general superintendent of Vice-President Morton's 1,000-acre farm on the Hudson river, 90 miles above New York.

SIXTY YEARS AGO

The number of students enrolled

up to September 20 was 235. Of these, 119 had never attended College before.

Twenty-five members of the Webster society attended the first meeting of the year of the organization. The following officers were elected: J. C. Allen, president; M. T. Ward, vice-president; Charles Messenger, secretary and reporter; E. A. Smith, treasurer; Edwin Fairchild, librarian; S. C. Mason, marshal; G. F. Thompson, corresponding secretary; F. W. Bevington, critic; H. J. Hornig, M. T. Ward, R. A. Hollenberg, E. A. Smith and L. W. Call, board of directors.

KANSAS POETRY

Robert Conover, Editor

THIS GRIEF IS DELICATE

By Lois Thompson Paulsen

This grief is a brittle delicate thing,
So light, so fine, so constantly here;
Brittle as passing talk is brittle,
Broken again and again, and reconstructed.
Delicate as the touch that is known
And not known, and never forgotten,
Or words which are never said
Which resound between minds as if spoken.

Lois Thompson (Mrs. Clarence) Paulsen is a native of Concordia. She was graduated from the University of Kansas and has had verse published in anthologies and magazines. In 1932, her poem, "Plain Dealings," was awarded the poetry prize of the Kansas Authors club.

SUNFLOWERS

By H. W. Davis

SPLIT SECOND

A week or two ago I read an article in the papers assuring all of us that happiness in marriage is almost altogether a matter of timing, as in golf, baseball, and horse-racing. The author was Dorothy Dix, whom some of you may have heard of or from.

Dorothy says there is a time to compliment your spouse and a time not to; a time to be facetious and a time to be serious; a time for irony and a time for plain-spoken, straight-from-the-voice-box truth. I suppose she wants us to infer that there is also a time to slap your wife down, and a time to swing on your husband's ear with a skillet, but she did not say that.

The trouble with her article—and I read it word for word—was that although she was writing about time, she did not specify a single hour, or minute, of the day, the exact thing most of us dumb married folk need to know to put her wisdom into operation.

For instance, if I suspect I am going to be taken to a picnic in the park on Tuesday evening to help one of my wife's clubs get the club-year off to a flying start, at what hour on Monday should I ask whether I am supposed to wear my tuxedo or my play suit?

If my wife has to use the car to get to a bridge foursome three doors to our left on Wednesday afternoon, at what time before one p. m. on that date should she inform me that I shall have to call Joe or Harry and tell him he will have to provide transportation

AMONG THE ALUMNI

Edwin M. Stanton Curtis, B. S. '93, is general passenger agent for the Gulf, Mobile and Ohio railroad. He and Lillian (McKay) Curtis live at 218 Upham street, Mobile, Ala.

H. A. Holzer, B. S. '99, this summer was appointed a member of the Merit System Executive board which is organizing a system of merit examinations for state employees in Kansas. Mr. Holzer lives at 706 W. Eighth street, Pittsburg. He is president of the Pittsburg Iron works.

Maude (Kelly) Deal, D. S. '08, is moving from Tulsa, Okla., to Laramie, Wyo.

James Morton Nicholson, M. E. '12, is general assistant in the mechanics department, Atchison, Topeka, and Santa Fe Railway company, Chicago. Formerly at Topeka, he may be addressed at 2231 E. Sixty-Seventh street, Chicago, Ill.

Florence (Waynick) Van Deventer, H. E. '16, is a home maker at 1019 N. Washington, Wellington. She and Dr. R. W. Van Deventer have three children. Betty, 22, is a graduate of the University of Kansas. Judy is 19, Sue, 8.

Fred Griffee, Ag. '19, is director of the Maine Agricultural Experiment station in Orono, Me. He wrote to President Farrell this summer after hearing the National Broadcasting company's broadcast of the alumni-senior banquet during Commencement week activities.

"The fact that I could sit here in my home at Orono, Me., and listen to the program in progress at Manhattan—some 2,000 odd miles away

—exemplified some of the progress outlined by the speaker as having been made during the past 25 years or so," he said. "Many of the comments of the speaker were on subjects very much in the thinking of all agricultural research agencies and I listened with a great deal of pleasure."

Earl G. Darby, G. S. '23, has accepted a position as College instructor in the department of shop practice. He has been for 18 years industrial arts instructor at Manhattan high school. He and Henrietta (Jones) Darby, '23, have three daughters. Their home is at 823 Leavenworth, Manhattan.

Mary (Haise) Wright, Ag. '26, and her husband, Floyd M. Wright, M. S. '25, live at 4512 Del Mar avenue, Ocean Beach station, San Diego, Calif.

"Floyd is at present with Arden Dairy," she wrote. "This is a grand climate. From our porch overlooking the Pacific, we often see dive-bomber and heavy artillery target practice. When United States officials demonstrated our aerial strength to visiting South American officials about 55 planes in formation flew directly over our house. From the present appearances, it may shortly be more comfortable in Kansas than here in spite of the thermometer.

"Our daughter will be ready for college in '44."

J. O. Johnson, E. E. '27, is on the technical staff of the Bell Telephone laboratories, New York City. He and Agnes (Cooney) Johnson have a daughter Carol, 3. The Johnsons live at 2 Edgewood road, Chatham, N. J.

Richard D. Bradley, E. E. '28, has been named director of sales and engineering of Day-Brite Lighting, Inc., St. Louis, Mo., an internationally operative fluorescent lighting equipment concern. For the past three years, he represented the lighting division of Westinghouse at Detroit, Mich., as a field engineer. Mrs. Bradley is the former Marie Fletcher, f. s. '27.

Ralph L. Miller, E. E. '29, and Mrs. Miller have a daughter, Barbara Ann, born January 14, 1940. They live at 15 Winding way, Verona, N. J. Mr. Miller is employed by Bell Telephone laboratories, New York City.

Kermit Silverwood, I. J. '30, and Margaret (Chaney) Silverwood, G. S. '32, live at 115 East Main, Chanute. Kermit has charge of a chain of Mode-o-day stores.

Loren N. Allison, E. E. '31, and Ida (Snyder) Allison, G. S. '29, are

at 845 Oak avenue, Panama City, Fla. Lieutenant Allison is on active duty at the Panama City Recreational area. They have two daughters, Carolyn, 6, and Betty Darlin, 2.

Libbie Smerchek, H. E. '32, is assistant manager of the government cafeteria in the Department of Interior building, Washington. She feeds 5,400 government workers a day in the cafeteria and also manages a tea room on the top floor of the same building.

Lt. Merle Allen, G. S. '33, M. S. '34, writes, "I am temporarily on duty at Brooks Field, San Antonio, Texas. I will be the education and recreation officer for the field at Lubbock, Texas, as soon as it is completed. Since coming here I have met Sam Kelly, Ag. '29, who is in the Eighth Corps area here, and Temple Winburn, '29, who is stationed at Victoria air field."

Walter C. Hulbert, Ag. E. '34, M. S. '35, and Pauline (Vail) Hulbert, H. E. '35, are at Beltsville, Md., where Mr. Hulbert is working with the Beltsville Research center.

Major Bliss, C. E. '35, is now an engineer for the Tennessee Valley authority at Knoxville, Tenn. He has been an engineer with the Kansas highway department for the past several years. He has won many golf championships in Topeka and over the state. His wife is Wilma (Cowdry) Bliss, '35.

Iola S. Meier, H. E. '36, spent the summer working for the rural sociology department of the Farm Security administration in taking a health survey of Dallas county, Mo. She has returned to the University of Missouri to finish work on her master's degree in rural sociology. Her address is Charlton Arms apartments, Columbia, Mo.

Marian Norby, G. S. '37, recently was appointed to the staff of the Library of Congress, division of manuscripts, Washington, D. C. Before her appointment to that position she was employed in the office of H. McCoy Jones. Her address there is 2310 Ashmead place, N. W., Washington, D. C.

Don L. Engle, B. S. '38, got his master of arts with the Eastman School of Music last spring and began work in July in New York City with the National Broadcasting company. His address is Apartment 34, 535 W. 111th street, New York, N. Y.

Ethel Sklar, Arch. '39, has accepted a position in Neosho, Mo., as designer and architect with Burris and McDonald, engineers.

Helen Foster, M. S. '40, began work September 1 as manager of the cafeteria, Gustavus Adolphus college, St. Peter, Minn. She was formerly state supervisor of school lunches in North Dakota.

Donald A. Justice, M. E. '41, is observer of the United States Weather Bureau office in Topeka. He and Mary Louise (Jordan) Justice, f. s., live at 1185 Wayne, Topeka.

BIRTHS

Thello C. Dodd, Ag. '41, and Margaret (Dhority) Dodd, f. s., are parents of a son, Larry Eugene, born July 7. They are in LaHarpe, where Mr. Dodd teaches vocational agriculture.

Born on May 31, the daughter of Ralph Rogers, Ch. E. '33, and Dora (Anderson) Rogers was named May. The Rogers live at 918 Bertrand, Manhattan. Mr. Rogers teaches in Manhattan senior high school.

A son, Lawrence Keith, was born to Susanne (Beeson) Monahan, H. E. '36, and Ashley L. Monahan, on July 8. Mr. Monahan is owner of the College Drug store in Aggieville. They live at 1519 Fairchild, Manhattan.

To Lucille (Laessig) Caldwell, f. s., and Marion J. Caldwell, Chem. E. '31, twin girls born June 20. They have been named Joyce and Janice. It is the second pair of twins for the Caldwells, who live in Manhattan where Mr. Caldwell is a College instructor in chemistry.

Linda Jean is the name of the daughter of Blaine B. Brandenburg, Ag. '38, and Betty Jean (Clapp) Brandenburg, f. s. '40, born July 8 at the Saint Mary hospital. Mrs. Brandenburg is a daughter of Prof. and Mrs. A. L. Clapp. Mr. Brandenburg teaches in Independence, where they are at home.

LOOKING AROUND KENNEY L. FORD

Peoria Dinner Meeting

Kansas Staters in and near Peoria, Ill., have made plans for a dinner meeting Tuesday, October 7. Mrs. Paul Fanning, Route 2, Washington, Ill., will take the reservations for the dinner, which will be at 7 p. m., C. S. T., at the Hotel Pere Marquette, Peoria.

Plan Urbana Meeting

Announcement has been received of an alumni meeting to be held October 8 at Urbana, Ill. The committee in charge is composed of Mr. and Mrs. E. H. Regnier, Mrs. Leonard Schruben, Doris Smith, and C. E. Mitchell. The dinner meeting is at 6:30 p. m. in the Southern Tea room, 624 E. Green, Champaign, Ill. The deadline for reservations sent to C. E. Mitchell, 410 W. Green, Urbana, is October 4.

North Dakota Group Elects

F. W. Christensen, '00, was elected president of the North Dakota K. S. C. Alumni association when that unit was organized at the Christensen home on August 9. Other officers are Fred Loomis, '13, Grand Forks, vice-president, and Mrs. O. A. Stevens, Fargo, secretary and treasurer. The election of officers followed a dinner of the group, and preceded motion pictures of the College and activities, shown by Kenney L. Ford. Those present at the meeting were Fred H. Loomis, and Claudine (Rathman) Loomis, f. s. '16, Grand Forks, N. D.; J. A. Munro, '25; Anna (Monroe) Stevens, '04, Mr. Christensen, and Mrs. Christensen, all of Fargo, N. D.

General Electric Dinner

Kansas State College graduates employed by General Electric Company of Schenectady, N. Y., held a dinner meeting at the Edison club August 1. They had as guests Profs. L. M. Jorgenson, '07, M. S. '30, and R. M. Kerchner, M. S. '27.

Those present included Byron White, '41; Dick Breckenridge, '41; Bert Sells, '41; M. A. Edwards, '28; L. H. Means, '23; L. O. Sinderson, '23 (from the Chicago office); N. G. Branson, '38; Edward P. Smith, '39; G. A. Hoyt, '41; M. W. Martin, '41; Clayton Matney, '38; H. M. Dimond, '41; R. A. Remington, '40; C. H. Wiedeman, '37; W. W. Litfin, '37; K. K. Bowman, '26; D. E. Garr, '36; T. W. Bigger, '19; F. R. Lindsey, Jr., '42; R. H. Ogle, '42; Hugh S. Maxwell, '34; A. D. McGovern, '42; E. P. Smoot, '30; Mel C. Coffman, '29; T. M. Berry, '25; E. F. Peterson, '31; R. B. Washburn, '41; Karl J. Mosbacher, Jr., '41; Vorras A. Elliott, '35; and L. D. Madsen, '36.

Montana Alumni Dinner

Graduates and former students of Kansas State College attended a dinner meeting at the Gallatin Gateway inn, Gallatin Gateway, Mont., August 12. Clyde McKee was in charge of the program which included showing of films of Kansas State College by Kenney Ford.

Names on the registration sheet at the meeting included Mr. McKee, '10, and Ethel (McGriff) McKee; J. E. Norton, '25, and Della (Justice) Norton, '25; A. M. Schlehuber, '31, and Veronica (Horsch) Schlehuber; N. L. Towne, '04, and Mrs. N. L. Towne; R. T. Challender, '08; E. A. Tunnicliff, '21, M. S. '23, and Gertrude (Cate) Tunnicliff, f. s. '25; S. Frances Smith, '23, and Martha L. Hensley, M. S. '29, all of Bozeman; Clara K. Dugan, '28; Butte; W. J. Welker, '24, and Mrs. Welker, San Luis Obispo, Calif.

Montana was the forty-eighth state visited by Mr. Ford since becoming secretary of the Kansas State College Alumni association in 1928 in attempts to build a more effective organization among Kansas State College alumni.

St. Louis Supper

Kansas State alumni near St. Louis met June 28 at the home of Mr. and Mrs. H. A. Christman. The group played games, visited, and enjoyed a picnic supper together.

J. W. Drisko, '36, was elected president and Vera (Chubb) Russell, '26, was chosen secretary-treasurer. Plans were discussed for a fall meeting.

Those present were Clare C. Ham-

ilton, '39, and Lila (Taylor) Hamilton; W. E. Paterson, '17, and family; H. H. Harris, '37, and Zelda (Klevens) Harris, '35; R. D. Bradley, '28, Marie (Fletcher) Bradley, f. s. '27, and family; Imogene Price, M. S. '39; J. W. Drisko, '36, and Mr. and Mrs. H. A. Christman, and son, Bob, a Kansas State College student, all of St. Louis.

Others present were Otis H. Walker, '31, Kirkwood; L. E. Rossel, '22, Nellie (Jorns) Rossel, '23, and family, Normandy; H. M. Noel, '12, and Mabel (Etzold) Noel, '12, Webster Groves; C. W. Schemm, '25, and Emilie (Gunner) Schemm, f. s. '27, Kirkwood; V. E. Danielson, '38, and family, Richmond Heights; L. O. Russell, '26, Vera (Chubb) Russell, '26, and family, Glendale, Mo.

New York City Picnic

Members of the New York City alumni group held a summer picnic on the Shrewsbury river grounds of Mrs. Ina (Turner) Bruce, '89, at Red Bank, N. J., on July 12. This is the third successive summer that Mrs. Bruce has entertained the group. Those arriving early enjoyed bathing before the picnic supper. Arrangements were made by Ralph W. Sherman, '24, president, and Mary (Brandly) Steiner, '26, secretary, both of whom sought voluntary retirement as officers this year.

A nominating committee composed of Dodridge C. Tate, '16, chairman, Frances (Hildebrand) Fell, '17, and Edna (Stewart) Johnson, '28, proposed the following slate, which was unanimously elected: Walter E. Deal, '16, president; Pauline (Compton) Ernst, '35, vice-president; and Nellie (Darrah) Kerr, '30, secretary-treasurer.

Kansas Staters present included Ina (Turner) Bruce, '89; Walter E. Deal, '16, Mary (Nicolay) Deal, f. s. '17, and their daughters—Dorothy,

a junior at Kansas State College, and Patricia, Westfield, N. J.; Milton M. Kerr, '28, Nellie (Darrah) Kerr, '30, Joyce and Bobby, Roselle, N. J.; Mrs. Robert Kerr, Jr., f. s.; Margaret Kerr, '42, and Louise, Hackensack, N. J.; Glenn J. Rawlin, '36, and Mrs. Rawlin, Freehold, N. J.; Ralph W. Sherman, '24, and Mrs. Sherman, Emilie, Ralph, Jr., and Roger, Bloomfield, N. J.; Mary (Brandly) Steiner, '26, Mr. Steiner, Mary Jo, Margaret and Katherine, Westfield, N. J.; Daryl (Burson) Yandell, '29, and Billy Union, N. J.

Guests included Mr. and Mrs. Don Gustafson and David Gustafson, Boga, N. J.; Mrs. Henry C. Paulsen, Carol and Henry, Elizabeth, N. J.; and Jolena Stockebrand, Yates Center.

MARRIAGES

ROGERS—WENDELL

Married in Panama were Hazel Lee Rogers and Lt. Perry F. Wendell, Ar. '38, July 29. Lieutenant Wendell is with the Panama Canal detachment, Canal Zone.

BUCHANAN—DECKER

The marriage of Alma Faye Buchanan to Ernest W. Decker, Ag. '39, was July 23. Mr. Decker is vocational agriculture instructor at Vineland, where they are at home.

DEIBLER—JONES

Mrs. Margaret Woodbury Deibler became the bride of Charles Jones, D. V. M. '41, on May 10. They are at home at 77 Nebraska street, Akron, Ohio. Doctor Jones is with the Akron Veterinary hospital.

MOORE—LANGVARDT

Lois Moore, Alta Vista, became the bride of Chris Langvardt, Ag. '41, June 15. They are now in Dodge City, where Mr. Langvardt is basketball coach and assistant football coach at Dodge City junior college.

SELBY—VOLZ

Marriage vows were read July 28 for Elsie Fern Selby, H. E. '35, and Lloyd Voiz of Horton. He taught four years and at present is employed by the Stearman Aircraft corporation, Wichita. Their address is 1336 Emporia, Wichita.

BULLOCK—MANLEY

Genevieve Bullock was married to David O. Manley, D. V. M. '41, June 15. Mrs. Manley has been employed in the office of the Seaman high school for several years. Doctor Manley will be employed by the United States Bureau of Animal Industry in Kansas. Their home is in Topeka.

RECENT HAPPENINGS ON THE HILL

An architectural model of a student health center, designed by John Shaver, '41, Salina, is being displayed in Recreation Center.

Until December, junior advanced ROTC students probably will be drilling in civilian clothes. Because of a shortage in some articles, the basic ROTC uniforms, now being ordered, will not be available as early as formerly.

To climax the opening activities of the fall semester, the all-school mixer will be Friday night in the south quadrangle, the College Auditorium and Nichols Gymnasium. Approximately 3,000 students and 900 faculty members are expected to attend this only free school party of the year.

A modern electric clock will be installed in the new student union building if instructions received by Kenny Ford, alumni secretary, are followed. A letter to Mr. Ford from Ray Bukaty, Kansas City, last year's graduating class president, stated the class funds totaling \$66.49 were to be used in the purchase of the clock.

A "Journalism Bust" or picnic for students and faculty members of the Department of Industrial Journalism and Printing will be tomorrow afternoon in Sunset park. Those attending the picnic, sponsored by Sigma Delta Chi, men's professional journalism fraternity, and Theta Sigma Phi, honorary and professional fraternity for women in journalism, will meet at Kedzie hall at 4 p. m. and then go to the park.

October 10 is the date for the distribution of the first fall issue of the Kansas State Engineer, official magazine of the Division of Engineering and Architecture. Thomas Martin, Topeka, is the magazine's new editor. Assistant editors are Audrey Durland, Manhattan, and Grant Marburger, Lyons. James Walker, Emporia, is business manager. This year the magazine will have a new cover printed by a three-color process.

The Collegiate 4-H club has 86 new members to pledge before it reaches its goal of 450 in its membership drive. By Monday, 364 students had become members of the club. Officers of the Collegiate 4-H are president, Gordon West, Manhattan; vice-president, Keith Jones, Penalosa; secretary-treasurer, Alma Deane Fuller, Courtland; corresponding secretary, Drusilla Norby, Pratt, and Lucille Owen, Edson; song leader, Marcile Norby, Cullison; marshal, Harlan Shuyler, Bethel; and pianist, Elaine Rohrer, Abilene.

COLLEGE BAND WILL MAKE FALL DEBUT ON SATURDAY

William D. Fitch Is Director While Lyle Downey Is Away on Leave

The Kansas State College band will make a public appearance Saturday, for the first time this fall, under the direction of William D. Fitch, who is directing the group while Lyle Downey, associate professor in the Department of Music, is on his leave of absence.

PRES. F. D. FARRELL TELLS OF 58 CHANGES IN FACULTY

ANNOUNCEMENT INCLUDES SHIFTS SINCE AUGUST 1

Dr. Harner Selvidge, Associate Professor, Is Granted Leave of Absence to Do Research Work for Defense Council

Fifty-eight faculty changes on the Kansas State College staff have been announced by Pres. F. D. Farrell, after approval of the State Board of Regents. The changes have been released since August 1.

Dr. Harner Selvidge, associate professor in the department of electrical engineering, is granted leave of absence for the college year 1941-42, to engage in special research work for the National Defense Research council. During the leave of absence of Doctor Selvidge, Karl H. Martin will be employed as instructor in the Department of Electrical Engineering.

WILL HEAD DEPARTMENT

E. L. Barger, associate professor of agricultural engineering, resigned August 31 to accept the headship of the Department of Agricultural Engineering at the University of Arkansas.

Effective September 1, Thelma Weber is employed as instructor in food economics and nutrition, to succeed Miss Helen Forney, resigned. Elsie Miller is employed as instructor in food economics and nutrition to succeed Dena Cederquist, resigned.

Effective September 1, Donald P. Duncan is employed as instructor in the Department of Horticulture to take the place of Richard C. Johnson who will devote full time to extension service.

Rose G. Diller, assistant in the library, has been granted leave of absence from September 1 to June 15, 1942, to pursue graduate study.

Effective September 1, Donald E. Landis is appointed graduate assistant in the Department of Public Speaking.

WASSERMAN PROMOTED

Effective September 1, 1942, Mildred Hoss is appointed graduate assistant in institutional management. Eugene Wasserman, instructor in the Department of Architecture, is promoted to the assistant professorship in that department formerly held by Eugene J. Mackey, resigned. Frederick G. Roth is employed as instructor in the Department of Architecture to succeed Eugene Wasserman, promoted. Effective September 1, Leslie M. Shaw is employed as instructor in the Department of Shop Practice.

Effective September 1, Aimison Jonnard is employed as instructor in chemical engineering to succeed Dr. A. W. Hawkins, resigned.

Effective September 1, Helen Wilmore is employed as instructor in food economics and nutrition to succeed Bernadine Meyer, resigned.

Dr. Leah Ascham is employed as associate professor in food economics and nutrition to succeed Pauline Nutter, resigned. Dr. Beulah D. Westerman is employed as assistant professor in food economics and nutrition to serve during the leave of absence of Dr. Bernice Kunerth.

REPLACES GEORGE HART

Effective September 1, Capt. Edwin L. Andrick, of the United States Army, is detailed for service at Kansas State College in place of Lt. George T. Hart, transferred. Captain Andrick will serve as assistant professor of military science and tactics.

Resignations include S. A. McCollum, instructor in the Department of Shop Practice, effective August 31, and R. J. Eggert, assistant professor of agricultural economics, effective August 31.

TWO JOURNALISM CHANGES

In the Department of Industrial Journalism and Printing, Ralph Lashbrook, associate professor, is granted a sabbatical leave until June 30, 1942, for advanced study at the University of Wisconsin. During his absence, Charles M. Platt is employed as temporary instructor. Miss Helen Hostetter, associate professor of journalism, has resigned to become editor of the Journal of Home Economics in Washington, D. C. Miss Jane Rockwell will succeed Miss Hostetter.

George T. Dean is appointed instructor in applied mechanics to succeed W. T. Thomson, resigned; Miss Ella Marie Johnson is appointed as-

sistant professor in the Department of Education.

Resignations have been accepted for Dr. Pauline Nutter, assistant professor of food economics and nutrition; Miss Bernadine Meyer, instructor in the Department of Food Economics and Nutrition; H. V. Barrett, graduate assistant in bacteriology; and H. A. Biskie, instructor in agricultural economics in the Division of Extension.

Miss Rosamond Kedzie of the department of art, has been promoted from the rank of instructor to assistant professor. Miss Marjorie Schwalm is employed as graduate research assistant in mathematics. Miss Helen Mertz is to be assistant in the Department of Animal Husbandry, to succeed Mrs. Julia Bradley.

Gerald Brown has been transferred from the position of assistant county agricultural agent in the Division of Extension to the position of instructor in agricultural economics in the same division to succeed H. A. Biskie. Miss Juanita Kahler will be assistant in institutional management to succeed Miss Raymona Hilton, who has been promoted.

John Harris has been appointed graduate assistant in bacteriology to succeed H. V. Barrett, resigned.

Effective September 1, 1941, Miss Mila Pishney is appointed graduate assistant in the Department of Education.

DR. M. E. LASH ADVANCED

Ronald W. Campbell is employed as student assistant in the Department of Horticulture, effective September 1. Effective September 1, 1941, Colter A. Landis is appointed graduate research assistant on Industrial Research Project No. 3, The Manufacture of Colloidal Fuel from Kansas coal.

Effective September 1, Dr. M. E. Lash is promoted from assistant professor of chemistry to associate professor of chemistry to succeed Dr. E. B. Keith, deceased, and Dr. Ralph E. Silker is employed as instructor in the Department of Chemistry to succeed Dr. G. N. Reed, resigned; during the leave of absence of A. L. Neal, instructor in the same department, Edgar P. Meibohn is employed, on a temporary basis, to serve as instructor.

Warren F. Keller is appointed to the position of research miller in the Department of Milling Industry, effective September 15.

William J. Conover, instructor in agricultural economics in the Division of Extension, resigned August 16; Paul W. Griffith, county agricultural agent in Decatur county, effective August 18, was transferred to the position of instructor in agricultural economics in the Division of Extension to succeed Mr. Conover.

GRANTED LEAVE

Lloyd M. Copenhafer, assistant professor of landscape gardening in the Division of Extension and a reserve officer in the United States Army called into active service, has been granted leave of absence from his College duties, beginning August 16. J. Dewey Axtell, assistant county agricultural agent in the Division of Extension and a reserve officer in the United States Army, having been called into active service, has been granted leave of absence from his College duties, beginning September 1.

J. H. Johnson, instructor in junior extension in the Division of Extension, has been granted sabbatical leave for the period October 1, 1941, to June 15, 1942, for the purpose of pursuing advanced study at George Washington University.

J. Forrest Allen has been appointed instructor in chemistry to succeed Dr. A. C. Andrews, promoted. Mr. Allen's appointment is effective September 1.

PEAIRS WILSON PROMOTED

Effective October 1, C. Peairs Wilson, instructor in agricultural economics, will be promoted to assistant professor to succeed Prof. R. J. Egert, resigned. Other changes in the same department effective October 1 include R. W. Hoecker who will be employed as instructor in agricultural economics to succeed Mr. Wilson; the academic rank of Raymond J. Doll to be changed from instructor in agricultural economics to assistant professor.

C. M. Moeller, instructor in civil engineering and a reserve officer in the United States Army called into active service, is granted indefinite leave of absence from his College duties, effective September 1. During the leave of absence for military

service of A. O. Flinner, associate professor in the department of mechanical engineering, Ralph F. Fearn, graduate assistant, is appointed temporary instructor, Mr. Fearn's services as instructor to begin September 1.

Effective September 8, Earl G. Darby is employed as instructor in the Department of Shop Practice to succeed S. A. McCollum, resigned. Effective September 1, Thelma Tincher is appointed instructor in the Department of Education to succeed Gertrude Roskie, resigned. During the leave of absence for military service of Lloyd M. Copenhafer, assistant professor of landscape gardening in the Division of Extension, L. H. Burton is appointed temporary instructor, his services to begin September 15. Effective September 1, Kathryn Blevins is appointed part time graduate assistant in the Department of Physics.

ALBERT. A. STEWART

(Continued from page one) partment of the Outwest Printing and Stationery company. He retired in 1935. From his home he enjoyed a view of the splendid panorama of Pike's Peak and the adjacent mountains of the front range of the Rockies.

Mr. Stewart's career included many and varied activities. With little formal education he created success in fields requiring intelligence, industry and probity. By visiting institutions and assiduous study he prepared himself for highly fruitful work with the deaf. Always interested in economics and politics from which he both profited and suffered, he lived to see some of his views adopted and some of the most vital rejected. His life was a splendid example of the possibilities for young men in this country.

Mr. Stewart in 1878 was married to Miss Ella M. Winne of Manhattan, a daughter of sturdy pioneers. Of their four children, a daughter died in infancy. The oldest child, Stella, was graduated with the class of 1900, Kansas State College, and is now in one of the most responsible positions in the Bureau of Labor Statistics, Department of Labor, Washington, D. C. Another daughter, Mabel, is also a member of the class of 1900, and has for many years been head of the department of mathematics in the Oklahoma City high school.

Mr. Stewart's son, Dr. Walter W. Stewart, a graduate of the University of Missouri, is one of the foremost authorities in finance in this country, and is one of a group that is often called upon by Secretary Morgenthau for discussion of present-day financial problems, although not of his party. He is professor of economics and politics in the Institute for Advanced Study, Princeton, N. J.

A. A. Stewart was justified in the modestly expressed pride which he took in his fine family. Mrs. Stewart died in 1908 in Neosho, Mo., and in 1918 Mr. Stewart married Miss Nora Wheeler of Colorado Springs, who survives him. In spite of vicissitudes, Mr. Stewart rounded out a full and happy life, in which he accomplished much that was of benefit to society at large. The country needs more men like him. His body rests with those of his parents and his grandparents in Neosho, Mo., to him the most sacred spot on earth.

Frosh Grid Men Report

A Kansas State College freshman football squad of about 75 men started workouts Monday.

Eyer Visits Campus

John M. Eyer, E. E. '40, visited the campus last week. Mr. Eyer is now employed in the testing department of the Commonwealth Edison company, Chicago.

LATE FRATERNITY PLEDGINGS MAKE TOTAL OF 170 STUDENTS TO DATE

Dr. Harold Howe, Faculty Sponsor, Releases 28 Names in Second List for Semester

Twenty-eight new fraternity pledges were named on a second release from the office of Dr. Harold Howe, faculty sponsor. Including the men pledged during formal rush week this makes a total of 170 men joining fraternities.

The groups and their pledges include:

Acacia—Bruce Buchanan, Little River; Keith Hodgson, Little River; Orlin Russell, New Albany; Alpha Kappa Lambda—Norman Anderson, Dodge City; James Curtis, Toronto; Kenneth Smith, Great Bend; Harry E. Theobald, Yates Center; Harry Vinson, Garfield; Beta Theta Pi—John Perry Wallace, Ottawa.

Delta Tau Delta—Donald F. Dickerson, Augusta; Bill Streeter, Kansas City, Kan.; Kappa Sigma—Calvin Hutchins, Scott City; Phi Delta Theta—Donald Halliday, Topeka; William Howe, Kansas City, Kan.; Wilbur Meeker, Garden City; Wendall Williams, Fredonia; Phi Kappa—Eugene Brosseau, Junction City; George Buser, Seneca; Al F. Silady, Kansas City, Kan.

Pi Kappa Alpha—H. D. Campbell, Beverly; Eugene Harrod, Leavenworth; Harrison Ravenscraft, Liberal; Sigma Nu—Patrick Riney, Junction City; Virgil Teeter, Jr., Hutchinson; Joe E. Zollinger, Junction City; Sigma Phi Epsilon—Jack Dodge, Topeka. Theta Xi—William John White, Liberal. Tau Kappa Epsilon—Dale Wolfram, Ft. Atchison, Wis.

CONRAD NAMES 19 STUDENTS TO RECEIVE SCHOLARSHIPS

LaVerne Noyes Awards for This School Year Are Announced

Nineteen students received LaVerne Noyes scholarship awards of \$25 this fall, according to L. E. Conrad, chairman of the LaVerne Noyes scholarship committee at the College.

Those receiving the scholarships include Mary Margaret Bishop, Haddam; Helen Josephine Carlson, Courtland; Marjorie Dexter, Washington; Leon Findley, Kiowa; James W. Hamburg, Marysville; Donald Harr, Dunlap; George Hetland Jr., Manhattan; Richard Moore Keith, Burlington; Edward Kirkham, Topeka; Dale Knight, Manhattan; William Meredith, Lincoln; Alma Proudfit, Tecumseh; Rex Leroy Pruitt, Culver; Melvina Richard, Manhattan; Nina Lois Ringwalt, Oakley; Joseph Rogers, Horton; Harold Root, Chapman; Charles Schwab, Morrowville; Donald Timma, Manhattan.

The LaVerne Noyes scholarships are awarded each year to direct descendants of World War veterans who served for a period of not less than six months prior to November 11, 1918, or who served overseas prior to that date, in the army, navy, or marine corps of the United States, and were honorably discharged, or to World War veterans themselves who served in the army under these same specifications. The scholarships are awarded for one school year but may be renewed at the end of that time if the student qualifies in scholarship.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Farming is a biological industry."

Farming is a biological industry. Crops and livestock are produced. The processes by which these products are produced are biological. They proceed according to nature. And nature seldom, if ever, gets in a hurry. The passage of time is a characteristic of all biological processes.

A wheat crop cannot be produced in a week, or a two-year old heifer in three months. Nature takes her time.

As a consequence, farming is a conservative industry. Things do not happen rapidly in farming. The speeding up of agricultural production is a slow process. Usually it means merely setting more biological

processes in motion. This characteristic gives farming some of its distinguishing characteristics as contrasted with nonagricultural industries.

The farmer's response to price changes is slow and frequently comes too late simply because he cannot speed up these biological processes. Experiences of this sort make farmers slow to change their farming plans. They are wise in this.

An industry such as agriculture can change no more rapidly than is permitted by the biological processes on which it is based.

HUSKY FT. HAYS GRID SQUAD TO INVADE STADIUM SATURDAY

VISITORS WILL SEEK TO REPEAT THEIR 1935 VICTORY

Coach Hobbs Adams Has Stronger Football Team This Fall than Last Year; Wildcats Have Won Seven Games From Tigers

A husky squad of Ft. Hays State college gridmen will invade Manhattan Saturday—confident they can repeat their surprise 3 to 0 victory of 1935 over Kansas State College.

That upset, accomplished by Bill Reissig's famous field goal, is the only Ft. Hays victory in the eight games played since 1919. Usually the Tigers have been extremely troublesome for Kansas State.

WILDCATS ARE STRONGER

This year, the second for Coach Hobbs Adams at Kansas State, will see a stronger Wildcat team than that of last year. Ed Huff, Marysville, 215-pound guard, and Frank Barnhart, a husky six-footer from Ft. Riley, are outstanding linemen. Others are Dick Peters, Valley Falls; Marvin Repstine, Atchison; Norbert Raemer, Herkimer, and Jim Watkins, Manhattan.

In the backfield, Ray Rokey, Sabetha; Bill Quick, Beloit; Max Timmons, Fredonia; Lyle Wilkins, Delphos; and Kent Duwe, Lucas, are handling most of the backfield assignments. Rokey and Quick, have developed a better brand of passing than was evident last year. Coach Adams hopes to use an aerial offensive during some of this season's games.

HAVE 10 LETTERMEN

Coach Paul Waldorf's hopes for a victory Saturday are based on 10 lettermen, a formidable group of freshmen and sophomores on his squad of 58 men, and the magic of the "T" formation. Spurring the Tigers on in their drills, is Reissig's shoe, the one that beat Kansas State in 1935. It is on display in the trophy case in the Hays gymnasium.

Kansas State College defeated Hays 12 to 0 in 1919 and 14 to 0 in 1920. After a lapse of six years, the rivalry was resumed with the Wildcats winning 30 to 6 in 1927, and 22 to 7 in 1928. Kansas State's Big Six championship eleven of 1934 had difficulty winning 13 to 0 over Hays, and the next year the big upset occurred. The Wildcats won in 1936 by a 13 to 0 score, and 24 to 7 in 1939.

TRACK COACH HAYLETT HAS ONE RETURNING SQUADMAN

Don Borthwick, Beeler, Is Only Experienced Runner Back This Fall

Coach Ward Haylett, who has produced six Big Six championship two-mile teams at Kansas State College in the past eight seasons, sees only a dark outlook for this fall.

No lettermen are available. In fact the only experienced man from last year is Don Borthwick, junior squadman from Beeler. All other members of the squad are sophomores. Jim Johns, Manhattan, lettered as a half-miler last spring, but has never competed in the two-mile. Other first year men are Albert Rues, Parker; Cecil Siebert, Pretty Prairie; Chase Wilson, Mulvane; Ernie Nelson, Scandia; Harvey Chadbourne, Leavenworth; and Louis Mertz, Kansas City.

The Wildcat runners open against Missouri at Columbia October 11 and meet Oklahoma at Manhattan October 18. The remainder of the schedule has not been completed.

RICHARD SMOLL, M. E. '43, WINS IN NATIONAL CONTEST

Drawing, Done as Class Work, Takes First at Engineering Meeting

Richard Smoll, Wichita, junior in the department of mechanical engineering, was awarded first place in the national drawing competition conducted by the engineering drawing division of the Society for the Promotion of Engineering Education. The contest was held last June in conjunction with the society's annual meeting at the University of Michigan in Ann Arbor.

This is the second consecutive year that a Kansas State College entry has won first place. J. F. Bowyer, a mechanical engineer, won first place in the same competition last year.

The prize-winning drawing was a freehand working shop drawing of an adjusting bracket. It was originally assigned as a class problem in technical sketching.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, October 1, 1941

Number 3

CIVILIAN PILOT TRAINING GETS UNDER WAY ON CAMPUS

STUDENTS START FLIGHT WORK THIS WEEK

**College Credits Will Be Given Trainees
in Both Primary and Secondary
Courses; Prof. C. E. Pearce
Directs Federal Program**

Civilian pilot training got under way at Kansas State College Thursday afternoon when trainees met to plan ground school classes. Flight schedules were to be started at the airport this week.

Approximately 39 students, 20 for the primary pilots course and four alternates, and 15 advanced students for the secondary course have passed their physical examinations.

WILL RECEIVE CREDITS

College credits to students learning to fly were announced last week by Pres. F. D. Farrell, three hours for the primary ground school course and four hours for the secondary. The ground school training is being given by the Department of Machine Design, under the direction of Prof. C. E. Pearce, director of the pilot training program here.

Although the two primary units of 12 each are filled, there still are five secondary students needed to fill the second unit. Students who have completed the primary course at another school will be accepted in the secondary course here if applications are filed at once.

Students enrolled and accepted in the primary CPT course are: Eugene Foncannon, Ashland; Wayne R. Starr, Hiawatha; Robert H. Harvey, Jr., Atchison; Richard J. Powell, Kansas City, Mo.; John C. Dart, Newton; William A. Frusher, Jetmore; George N. Inskeep, Manhattan; Rex Burden, Chase; Thomas F. Kropf, Wamego; Edsel L. Miller, Manhattan; Francis D. Kennedy, Norton; Duane Green, Jack F. Johnston, Topeka; Kenneth F. Eicher, Brewster; Cedric H. Carter, Garden City; Robert E. Turkleson, Troy; Paul L. Mealy, Summerfield; Riley T. Crow, Independence, Mo.; William B. Gerlach, Manhattan; and Donald M. Hunt, Manhattan.

FOUR ARE ALTERNATES

The four alternates who will serve as possible replacements in the two units are William P. Deam, Manhattan; Albert N. Nelson, Chicago; Raymond L. Nelson, Wichita; and Kenneth L. Dwyer, Topeka.

Students who have current private pilots licenses as the result of having passed the primary course and who have applied for the secondary course are Bernard E. Weller, Montezuma; George A. Barley, Washington; Joseph F. Drgastin, Kansas City; Howard Johnson, Manhattan; Tasker B. Sherrill, Republic; Alfred S. Hawkinson, McPherson; Junior W. Hicks, Herington; Thomas J. Ellis, Topeka; John D. McClurken, Clay Center; Robert H. Roberts, Wellington; Clarence L. Ryser, Haddam; and Gilbert R. Dodge, Dighton. John H. Curry, Kansas City, and Perry C. Sharp, Junction City, not enrolled in the College, are also applicants for the secondary course.

Expect New Attendance Record

Reporting an unusually heavy advance season ticket sale, Frank L. Myers, business manager, predicts a new attendance record for home football games this fall. The old mark of 42,343 for four games was established in 1939, the same year 17,545 persons saw the Kansas State-Oklahoma game to set a new all-time attendance record for Memorial stadium. Oklahoma and Nebraska's Rose Bowl Cornhuskers play here October 18 and November 1, respectively.

Will Broadcast Game

Two Chicago radio stations, WBBM (780 kilocycles) and WAIT (820), will broadcast the Kansas State-Northwestern football game at Evanston, Ill., on Saturday.

NEW EDITION OF "PRACTICAL COOKERY" HAS ADDITIONAL TABLES AND RECIPES

With the addition of tabulated buying guides and dozens of new recipes, "Practical Cookery and The Etiquette and Service of The Table", edited by the Department of Food Economics and Nutrition, has been enlarged and revised for its nineteenth edition.

Known by students in foods classes here as "P. C.", the book has been used by the department since 1908 when it was started as a slender looseleaf notebook of 53 pages, indexed from "batters to vegetables."

The 19 editions in 33 years have seen its transition and steady enlargement until the book now contains 506 pages. It is used by home economics students in schools in all parts of the United States. Individual orders have been received from Alaska, China, Canada, South America and every state in the Union. This

year has brought 2,200 requests for the book, with 25 to 35 orders a day since the new edition was released this month.

In keeping with modern colorful kitchens, the new edition has emerged from its sedate black cover to one of blue with red trimming. It was published by the Department of Industrial Journalism and Printing.

The revised book contains 37 pages more than the 1939 edition, including new tables of food quantities and measurements to help with more intelligent buying. The section on etiquette and table service has been enlarged. The contents include principles of cookery and tested recipes, general directions for using various types of stoves, units of common foods, etiquette and table service.

STUDENT ACTIVITY FEES OF \$51,000 DIVIDED AMONG CAMPUS ACTIVITIES

Athletics Receives Largest Allotment but Its Share Is Cut Approximately \$2,000 Under Last Year

Apportionment of student activity fees totaling \$51,000 among 18 Kansas State College activities was announced last week.

Special attention was given to activities which would affect the most students this year, according to Larry Spear, Mission, president of the Student Governing association and chairman of the apportionment board.

Athletics, one of the activities that receives the interest of most students, was made the highest allotment of \$24,240. This estimated amount is 47.529 percent of the student activity fee, a slight increase over the percentage given last year though the amount of money is nearly \$2,000 less. The total activity fund also is lower this year, nearly \$4,000 lower.

The Royal Purple will receive approximately the same percentage, 27.136, as last year, but the total, \$13,840, is nearly \$1,000 less than the sum it was allotted last year. The Kansas State Collegian was cut \$150 of its allotment. Last year it was allotted \$2,270, this year \$2,120.

Each activity is subject to a 10 percent reduction of its allotment on or before February 15, 1942. This restriction will mean that no activity can spend more than 90 percent of the funds apportioned to it before that date. This provision will prevent a sudden drop in the funds for the activities if there should be a heavy decline in enrollment the second semester.

Other activities and their allotments are band and orchestra, \$1,855; Student Governing association, \$985; Student Celebrity series, \$1,400; Manhattan Theatre, \$1,715; debate and oratory, \$730; judging teams, \$1,695; Engineering Open house, \$950; Home Economics Hospitality week, \$475; rifle team, \$210; accounting and auditing, \$310; publicity fund, \$475.

Graduates Rank High

Three Kansas State College graduates ranked among the first ten of a group of 55 engineering students employed by the Automatic Electric company at Chicago recently in an examination. Those taking the test were Roger Ghormley, Harry A. Peterson, and Don Wilkin. All three received their degrees from Kansas State College last spring in electrical engineering. Ghormley ranked third in the entire class.

Will Go to A. A. U. W. Sessions

Dr. Margaret Justin, dean of the Division of Home Economics, will attend the semi-annual meeting of the Missouri State Board of the American Association of University Women in Parkville, Mo., October 3. Dean Justin is regional vice-president of the A. A. U. W. The program includes a number of sessions on the Park College campus.

Alumni President



HAL W. LUHNOW, '17

FOOTBALL GAME AND LUNCHEON WILL HIGHLIGHT HOMECOMING

ALUMNI TO GATHER AT NOONTIME FOR "NO SPEECHES" AFFAIR

Graduates May Hold Informal "Re-unions" on Playing Field After Contest with Nebraska Team Is Finished

Highlighting Homecoming activities are the football game against the University of Nebraska November 1 and the alumni luncheon to be given in Thompson hall. This noon affair will be a "no speeches" luncheon with only introductions of campus visitors, College officials and famous returning graduates and former students.

Hal W. Luhnow, '17, Kansas City, president of the College Alumni association, will preside at the Homecoming luncheon.

RESERVE SPECIAL SECTION

After the game, graduates will meet on the playing field in the Memorial Stadium in a new feature of Homecoming. Members of K fraternity will post signs designating several class groups and alumni are expected to join the group nearest their year of graduation. Kenney L. Ford, College Alumni association secretary, said that this new event will permit visitors to meet their former classmates that they may have missed at the luncheon.

A special section of seats has been reserved for alumni returning for the Homecoming game. Tickets for this section may be obtained by writing the College Alumni association office in Anderson hall.

ANNUAL K FRATERNITY DINNER

The annual K fraternity dinner will be in the cafeteria at Thompson hall at 6:30 p. m. Saturday.

Students already are planning the traditional Homecoming decorations of fraternity houses and nominations are being made for the honor of being named Homecoming queen, who will be presented between halves of the football game.

HONOR MEN IN ARMED SERVICES

In addition to the parents, the traditional Parent's Day game, against the University of Oklahoma this year, will also honor those graduates who are now members of the United States' armed forces. All graduates who appear in uniform will be admitted free to the game on October 18 if they have made reservations with Mr. Ford's office.

The last game of the season, when the Wildcats meet South Carolina on November 8, will be Band day. Invitations have been mailed to high school bands all over Kansas. Keith Wallingford, Manhattan, student chairman, said more bands have been invited than ever before.

COLLEGE GRADUATE DIRECTS BOMBER PLANT CONSTRUCTION

L. V. McDonald, '23, Is Supervising Work at Lake City Project

L. V. McDonald, M. E. '23, is one of the topnotch engineers directing construction work for Uncle Sam in the vast national defense program, according to L. H. Koenitzer, assistant professor in the Department of Applied Mechanics.

As representative of the United States District Engineering office in Kansas City, Mr. McDonald is in charge of construction work at the huge bomber plant at Lake City, to be leased by the government to North American Aviation Corporation upon completion. The building, Mr. McDonald told Professor Koenitzer recently when the Kansas State faculty member toured the plant, will have more than 1,000,000 square feet of floor space under one roof, and every square foot will have 25-candles of fluorescent lighting. The windowless building is cooled by a conditioning unit which has a capacity of 3,000 tons of ice a day.

Before becoming resident engineer at the bomber plant, Mr. McDonald was in charge of the construction of the city of Fort Peck, Mont., where a new city was built on raw land according to government specifications.

Homecoming Hints

1. Alumni should buy their football tickets from the Alumni Association office. They should make reservations early. Price is \$2.25 a ticket. Send 20 cents extra for registration and mailing.

2. Visitors should register at the Alumni Association office.

3. The Homecoming alumni luncheon Saturday noon, November 1, will be upstairs in Thompson hall, the College Cafeteria. Tickets will be on sale at the Alumni Association office and College Cafeteria at 56 cents.

4. K men's dinner will be in the College Cafeteria at 6:30 p. m., November 1. It is sponsored by K fraternity.

5. Classmates and friends will meet on the playing field immediately after the football game. The K fraternity will post signs for various class groups. Former students should join the group nearest their year of graduation.

STUDENTS IN ENGINEERING DEFENSE FIND NUMEROUS JOBS IN INDUSTRY

Survey Shows Both Men and Women Who Took Work at College Are Employed, Most in Kansas

The Engineering Defense Training program offered by Kansas State College in cooperation with the federal government is funneling men and women into defense jobs as rapidly as they can be trained, a check-up by program directors showed.

Of 86 who had completed one or more of the courses by July 5, 69 are employed, all but five of these in Kansas. Their starting salaries ranged upward to \$225, and they were working as, for the most part, draftsmen and inspectors of defense materials.

Approximately 75 per cent of those completing courses in explosives and the chemistry of powder and explosives are engaged by defense industries, according to reports received from the students by Clem W. Griffith, assistant representative for the program here.

"At the present time there seems to be a great demand for inspectors on highway and airport constructions," reported L. H. Koenitzer, assistant professor in the Department of Applied Mechanics. He said that engineers, personnel managers and others who have come to him seeking trained men are being referred to students who have completed the defense training courses at the College.

Co-ed Named "Miss Manhattan"

Shirley Shaver, Salina, will appear as "Miss Manhattan" in the 1941 Queen of the American Royal contest at Kansas City October 18 and 19. Miss Shaver, junior in the Division of Home Economics, was selected last week from 21 contestants to represent Manhattan in the Kansas City contest.

Dairy Judges Win First

The four-member Kansas State College dairy judging team won first place in the National Dairy Cattle Congress in Waterloo, Iowa, this week. The team was first in two breeds, second in two. Accompanied by Dr. A. O. Shaw, coach of the team and associate professor in the College Department of Dairy Husbandry, the students are James Cavanaugh, Dodge City; Max Dawdy, Washington; Marvin Johnson, Moran; and John Weir, Geuda Springs. The team will return next Thursday.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY, Editor
HILLIER KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT, Associate Editors
KENNEY FORD, Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni Association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in instalments. Membership in alumni association included.



WEDNESDAY, OCTOBER 1, 1941

HOMECOMING, 1941

Alumni will find a new quality in the thrill that goes with Homecoming this year. It is not that the College is remote from the stresses of the rest of the world. By none is the impact of uncertainty and danger felt more keenly than by the young.

But though the world be afame, the grass still will be green on Alma Mater's hill. Ivy and trees will be turning, the white stone buildings and fences serene and permanent. Freshmen still will be wearing purple caps—the haze blue and the chatter ceaseless in the canteen and drug stores. The gay superficialities will remain the same, although the serious undertone is more in evidence now, here on the hill.

Homecoming in 1941 is both a reassurance and a challenge. Reassurance in the found continuity and time-tested durability of the institutions that democratic America has developed. The challenge of the future.

SCHOLAR AND TEACHER

The following is from a memorial to Ernest B. Keith, prepared by Professor C. M. Correll:

Few men, more than Mr. Keith, represented ostentation and vain display and it would be unworthy of this memorial service if I were to speak words that were merely eulogistic, but those of us who carry on after him owe it to him and to the cause of truth, which he so diligently sought to discover and to make known to others, to recognize, and to record our appreciation of his simple virtues as a scholar and a teacher.—

He was a respected teacher, not because he pretended that the way to learning is easy, but because he made the courses he taught eminently worth mastering even though it required a struggle to do so. He was honest with his subject matter and with his students.

He was dependable. When he undertook the responsibility for a project, those who had assigned the work knew that it would be done promptly and accurately with careful attention to all the details.

He was cooperative. He never sought to do a colleague's work but, in the team work of a large and complex department, he was always willing to do the extra tasks that someone had to do to advance the program as a whole.

All who knew him intimately know of his personal qualities. I have spoken of him as a colleague and an educator—a plain, modest, honest, reliable, cooperative worker. The institution which he served for 23 years needs men of his ability and character. Others must carry on the tasks which he did so well: no one can fill his place.

BOOKS

New Hampshire Jubilee

"History of the University of New Hampshire, 1866-1941". By Clarence W. Scott, Charles H. Pettee and Others. Edited by Philip M. Marston. Published by the University at Durham in 1941.

Diamond jubilees are occurring with increasing frequency among the land-grant colleges as one after another of these institutions reaches the 75th anniversary of its founding. This year the University of New Hampshire is celebrating hers and this interesting and attractive volume

of 333 pages is a feature of the celebration.

Beginning in 1866 as New Hampshire College of Agriculture and Mechanic Arts, the New Hampshire institution has had a checkered career, as have all the land-grant colleges. For the first quarter-century the college was connected with Dartmouth College. It occupied the same campus at Hanover and was governed by a board of trustees of which some of the members were also members of the Dartmouth board. This arrangement was never satisfactory. It produced irreconcilable antagonisms, endless bickering and intense confusion. The academic snobbery of the classical colleges from which all the land-grant colleges suffered in their early years was probably nowhere else so pronounced as it was at Hanover throughout the quarter-century during which the two institutions tried unsuccessfully to live together. The inevitable divorce came on April 10, 1891, when the state legislature enacted a law providing for the removal of the state college to Durham. So great was the antagonism that the class of 1892 petitioned to have its commencement exercises in Durham and the ceremonies were held there—in a not quite completed barn!

Removal of the state college to Durham resulted chiefly from a bequest provided for in a will made six years before the passage of the Morrill Act of 1862 and ten years before the founding of the state college. Benjamin Thompson, a prosperous bachelor farmer living on a farm at Durham bequeathed to the state an estate ultimately worth \$400,000 on condition that the state would establish an agricultural college on the Durham farm.

The will was kept secret until Thompson's death 35 years later, when its publication at the time when the Dartmouth-State College controversy was at its height led to a legislative act providing for the removal of the college to Durham. The will was contested, unsuccessfully, by some of Thompson's relatives, including one William Hale Thompson, of Chicago, of whom we have heard in another connection. It is of interest to note that, while Kansas sold her 90,000 acres of land-grant college land for \$505,000 and still has a few thousand acres unsold, New Hampshire's 150,000-acre grant was sold for only \$80,000. This does not say much for Yankee shrewdness, except that part of it that may have been represented by Kansas immigrants from New England. The low value of the New Hampshire land-grant endowment made the Thompson bequest distinctly acceptable.

Two of the many educational oddities described in the book may be mentioned. One is that one donor to the college of a valuable collection of books prohibited the use of the books by students. The other relates to Professor Pettee, who was in the service of the college for 62 years. In the early days when he was asked to teach a class in meteorology he protested that he knew nothing of the subject. "Well, that's all right", he was told, "you can keep ahead of the boys." He took the class and "carried on the teaching of meteorology as a side interest for 52 years."

Kansas "gets in" in this history as in many other histories of educational pioneering. The sixth president of the New Hampshire institution was Edward T. Fairchild, who had served as State Superintendent of Public Instruction in Kansas and as a member of the board of trustees of Kansas State College. He is not to be confused with the former president of Kansas State. The University of New Hampshire also has a Fairchild hall.

—F. D. Farrell.

ON MARIONETTES

One day, in the year 944, in the city of Venice, twelve beautiful maidens went forth from their homes to marry twelve young men at the church of Santa Maria Salute. Suddenly a band of Barbary pirates landed near the church, attacked the crowd, and in the confusion that arose, carried away the maidens. In a short time the young men of Venice recovered from the shock, jumped into their ships, followed and overtook the pirates. After much fighting, they rescued the brides. From that very day it was the custom in Venice to celebrate the anniversary of this event by a great festival. Always on the last day of the festival came the marriage of twelve beautiful young women to twelve handsome

SCIENCE TODAY

By W. L. FAITH
Head, Department of Chemical Engineering

Smokeless powder manufacture is one of the unique industries that must be expanded enormously in time of war since its only value during peace time is the comparatively minor one of supplying sporting powders. During normal times the large companies usually associated with powder manufacture such as DuPont, Hercules, and Atlas carry on the production of smokeless powder as only a minor part of a well-rounded chemical manufacturing program.

With the advent of war, or, for instance, our national defense program, a production lag is inevitable until new plants are constructed, and a sufficiently large number of skilled employees are trained. At the present time, the Federal government has authorized the construction of three new powder plants with an annual capacity of 200,000 tons of powder. Appropriations for building and operating these plants have already amounted to 160 million dollars, and these are in addition to several plants built and operated for the British government by American companies.

Smokeless powder is used practically entirely as a propellant for high explosive charges. Its function, then, is to force a steel bullet or explosive shell from a rifle or cannon at the proper speed. Its chief property must be the ability to ignite quickly, and to produce a sufficient quantity of combustion gases at such a rate that the projectile to be fired will attain the proper velocity at the gun muzzle without rupturing the gun barrel. Accordingly, the powder must be manufactured in various grain sizes depending upon the use to which it will be put.

For the ordinary .30 caliber rifle, the grains are small rods about 0.1 inch long and less than .04 inch in diameter. The individual grains for powder to be used in a 16-inch naval gun, on the other hand, are 1 3-4

young men. The wedding gowns and dowries were provided by the state from the public treasury. In the course of time, this led to so much jealousy and so many quarrels among the young men and women of Venice, that the city decided to substitute life-sized wooden dolls for the maidens. By and by, the Venetian toy makers began to make little figures, to sell as toys for the children. These were called "little maries" or "marionettes."—Winifred H. Mills and Louise M. Dunn in "Marionettes—Masks and Shadows."

You cannot demonstrate an emotion or prove an aspiration.—John Morley.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

A. D. Edgar, '25, was appointed assistant agricultural engineer in the Bureau of Agricultural Engineering at Washington, D. C.

Mary Ellen Collins, '27, was in charge of special diets and taught dietetics and dietotherapy in the training school at the British-American hospital, Callao, Peru.

Dr. John H. Parker, professor of crop improvement, went to Ithaca, N. Y., where he became a member of the teaching staff at Cornell university for one year, taking the place of Dr. H. H. Love, professor of plant breeding, who was absent on leave as technical adviser to the minister of agriculture in China.

TWENTY YEARS AGO

Mrs. Elizabeth Winter, '21, was head of the home economics department in the high school at Amarillo, Texas.

W. H. Olin, '89, was supervisor of agriculture for the Denver and Rio Grande railroad.

H. Ray Anderson, '11, was chosen pastor of the First Presbyterian church of Wichita, one of the largest churches in Kansas.

THIRTY YEARS AGO

George Elliott, '11, was appointed inspector of bridges for the Eastern

inches long and 3-4 inches in diameter. If rifle powder were placed in such a large gun, it would burn so rapidly and develop such a high pressure that the gun barrel would explode before the projectile was expelled.

The use of a smaller quantity of such powder also would be unsatisfactory because a sufficient quantity of combustion gases would not be evolved to produce the proper muzzle velocity. Two factors then are important in choosing powder for a given use. The grain size determines the rate of burning, and the total quantity determines the propelling force.

Chemically, smokeless powder is cellulose nitrate, and it is manufactured from cotton linters, nitric acid, and sulfuric acid. The nitric and sulfuric acids in turn are manufactured by the controlled oxidation of ammonia and sulfur respectively. Both cotton and sulfur are natural products, but the ammonia must be manufactured by combining nitrogen and hydrogen. Nitrogen is obtained by various processes from air, and hydrogen is usually produced by passing steam over hot coke.

Cellulose nitrate is manufactured by reacting cotton with the nitric and sulfuric acids under controlled conditions. The product, however, still resembles cotton physically, and must be plasticized before it can be shaped into powder grains. Plasticizing is accomplished by kneading the nitro-cotton with alcohol and ether, after which it may be shaped and a large amount of the alcohol and ether recovered. Since ether is manufactured from alcohol, only one other raw material is needed here, the alcohol. Usually this is produced by the fermentation of sugar-containing solutions.

Ultimately then, smokeless powder is manufactured from cotton, coal, air, water, sulfur and sugar, but a tremendous amount of processing is required to turn these ultimate raw materials into the finished product.

Coast railway of Florida.

Miss Clara Pancake, '03, was in charge of domestic science and domestic art in the Colorado State Preparatory school at Boulder.

Dr. H. J. Waters, President of the College, was scheduled to speak on "The Agricultural Outlook as Affected by the Development of Dry Farming" at the International Dry Farming congress to be held at Colorado Springs. Other speakers included Prof. E. H. Webster, Prof. W. M. Jardine, E. D. Wheeler, and Mrs. Mary Pierce Van Zile.

FORTY YEARS AGO

W. E. Mathewson, '01, was elected assistant in chemistry.

Edgar A. Allen, '87, superintendent of the Quapaw Indian school was transferred to the Carlisle Indian school as assistant superintendent.

W. E. Whaley, '86, registrar and instructor in history at the South Side academy, Chicago, Ill., was acting dean of that institution, the dean being in Europe on leave of absence. The South Side academy was one of the institutions in affiliation with the University of Chicago.

FIFTY YEARS AGO

Ben Skinner, '91, was principal of the Fairview schools.

L. H. Dixon and N. E. Lewis, '88, formed a partnership as architects in Boise City, Idaho.

E. C. Thayer, '91, was taking the engineering course at the Massachusetts Institute of Technology, Boston.

SIXTY YEARS AGO

Visitors on the campus included Gen. J. C. Stone of Leavenworth and F. P. Baker, Topeka, editor of the Commonwealth.

Of the 122 new students, 89 were sons and daughters of farmers, 17 of men in business life, 11 of mechanics, 2 of teachers, 2 of preachers and 1 of a doctor.

S. C. Mason was elected president of the Scientific Club at the first meeting of the year. Other officers elected were I. D. Graham, vice-president; Warren Knaus, secretary; Professor Failyer, corresponding secretary; J.

C. Allen, treasurer; Professor Pope noe, librarian and curator; Professors Walters, B. L. Short and M. A. Reeve, executive committee.

KANSAS POETRY

Robert Conover, Editor

MOODS

By Isabelle Bryans Longfellow

I

Heart, heart, be brave
When you meet life.
Life is a tricky knave
With ready knife.
Look to the left or right,
Before, behind;
They who have saved their sight
Walk as the blind.
Stabbing leaves pain and dread;
Weep if you must,
Fewer the tears to shed
At the final thrust.

II

Golden lies the dawn
Upon the sill
When a restless night is gone
And the heart is still.
Now is the battle over,
The sword put by.
Peace blows sweet from the clover;
Wings in the sky
Beckon. Oh heart, be up;
Look to your singing!
Here is a morning to sup,
And blue for the winging!!

Isabelle Bryans Longfellow, Wichita, is secretary-treasurer of the Kansas Poetry society and a former teacher of speech in Denver university, her alma mater. Among the many publications in which her poetry has appeared are Ladies Home Journal, Good Housekeeping, Christian Science Monitor, Columbia and America.

SUNFLOWERS

By H. W. Davis

TWINKLE TOES

What the world needs (Oh, oh, I'm off again) is a new scheme of parenthood and formal education that will prolong a zest for learning beyond the fourth or fifth year of a child's life.

I mean a zest for learning anything that may get in the pathway of the youngster, or the oldster he later grows into.

Yes, I've been spending the last two or three weeks trying to build up a head of steam in my college classes, boys and girls some 20 or 21 years past the day when toes were marvelous phenomena, good enough to eat, and worth hours of contemplation.

What are the boys and girls interested in finding now? Facts and truths in the courses the faculty is stringing out before them? Anything in particular about science, art, philosophy, or the puzzles of this wretched world? The learning that lies in books, or the skills and techniques to be got from laboratories?

Up to today and as of today, I'm afraid I shall have to answer, "No." If I were terribly truthful, (and may I never be that) I should have to say they somehow developed a resistance to learning. They eye it askance. One to them are Shakespeare and Kaltenborn, both of whom have little to offer except headaches. They want short cuts to scientific skills, jobs, diplomas, degrees; but leave out the learning, please—facts, truths, outlines, formulae, routine drill!

During the past two years, I have known, also, many mere citizens of the United States 40 or 50 years set in U. S. ways. Do we evidence a zeal to know exactly what World War II is all about? Are we interested in learning both sides in the matter of strikes? Can we offer three factual reasons why we should enter the war (formally) or stay out?

Do we tamer grown-ups want truth, or propaganda and oratory that thrill? Why do headlines (good ones) give us such a buzz, and sober presentation and discussion such a drowsiness?

Maybe parents and educators—and other propagandists—are too concerned about what folks learn. And maybe they are too little concerned about keeping alive that three-year-old hunger to know what makes the wheels go round and round everywhere. That could be what is the matter.

Anyway, what I'd like to see come about is a good old-fashioned revival of what some phrase-maker once dubbed the zeal for learning—that stubborn, persistent, determined-to-get-your-money's-worth persistence of a baby learning about toes.

SUPPLEMENT TO THE KANSAS INDUSTRIALIST

October 1, 1941

AMES, TUCSON ALUMNI GROUPS PLAN SPECIAL FALL MEETINGS

GATHERINGS TO BE HELD WHEN
WILDCATS PLAY RIVALS

Kenney Ford, Alumni Association Secretary, Will Attend Session in San Francisco and Then Visit Graduates in South

Alumni groups in Iowa and Arizona are making plans for meetings when the Kansas State College football squad visits Ames and Tucson for games this fall.

Tentative plans are in the making for alumni meetings at Des Moines or Ames at the time of the Kansas State-Iowa State football game November 22, at Ames.

WILL VISIT CALIFORNIA

Ralph Hawkins, Ag. '14, vice-dean and professor at the University of Arizona, is in charge of arrangements for alumni activities in Tucson on November 29, when Kansas State meets the University of Arizona in a football game which will doubtless attract many Kansas Staters in the Southwest.

Early December will find Mr. Ford attending alumni meetings in California, where plans are under way to reorganize in the San Francisco area.

Ford's schedule then will take him east for a Board of Directors meeting of the American Alumni council at White Sulphur Springs, W. Va., December 12-14, and then to a series of alumni meetings in the South.

MEETING IN SEATTLE

Capt. John Rust, '32, has written that an alumni meeting will be held



"Fight! You K-State Wildcat!"

Graduates and former students of Kansas State College along with their friends will know the thrill of Homecoming when they come back for the game against the University of Nebraska in Manhattan on November 1. Cheer leaders, such as those pictured above, will be on hand to direct the enthusiasm of returning alumni, students and other supporters of the Wildcats.

at Seattle, Wash., at the time Coach Jack Gardner and his Kansas State College basketball team plays there December 19 with the University of Washington and December 20 with Washington State from Pullman.

Alumni at Bozeman, Mont., also are planning to greet the basketball squad when they play Montana State college there December 23.

In addition to the above plans for alumni activities, a large number of meetings will be held by various local alumni clubs throughout the country.

A study is being made in the Alumni office of the location of Kansas State College men in the army, navy, and marine corps. Efforts will be made to hold alumni meetings this fall and winter in cities near army camps for the benefit of alumni in the service.

Making Reunions Click

The class of 1916's twenty-fifth anniversary reunion last Commencement might well be used as a model for other classes to follow and outdo in the future. If that is done by any of the reunion classes next Commencement, it will be necessary to start planning now—and some classes have started planning.

Two things seemed to make the '16 Class reunion click: their president, Zane Fairchild, Omaha, kept eternally reminding his classmates of the reunion; and, secondly, groups of friends in the class agreed among themselves that they would come back. For example there are eight Tri Deltas in that class and they were all back.

Next Commencement will be May 25. Saturday, May 23, will be Alumni day. All classes ending in 2 or 7 are scheduled to have reunions. If you are a member of any reunion class, start writing to your friends in your class now and make a date to meet them on the campus next Commencement.

Justin Gives Textiles

A collection of Guatemalan textiles has been given to the Department of Art by Dr. Margaret M. Justin, dean of the Division of Home Economics. The textiles were purchased on her South American trip last summer.

KEEP 'EM ROLLING IN

The month of September brought a great upsurge of annual and life memberships from alumni from the class of '41 back to the early classes.

"I don't want to miss a single issue of The Industrialist," is the keynote of many letters.

You too are urged to join with that group of interested alumni who want to keep in touch with Kansas State College by reading The Industrialist each week.

Kindly fill out the check below for annual membership and mail to the Alumni Office, Kansas State College.

(Write Name of Your Bank on Above Line)	OF	(Town Here)
PAY TO THE ORDER OF		K. S. C. Alumni Association
		Three and no/100
		\$ 3.00
		DOLLARS

1941

Send my Industrialist to
enclosed address

COLLEGE MEN IN IMPORTANT POSTS WITH UNITED STATES ARMED FORCES

**EMORY S. ADAMS, B. S. '98, HAS
ADJUTANT GENERAL'S JOB**

Glenn C. Edgerton, Who Holds Professional Engineering Degree, Is Governor of Panama Canal Zone

Kansas State College men are in positions of leadership in the armed forces of our country. Ranking from privates to major generals, graduates and former students are stationed throughout the world wherever the country's far-flung defense forces are located.

Maj. Gen. Emory S. Adams, B. S. '98, sits at the adjutant general's desk in the War Department building in Washington with the entire army personnel at his fingertips.

GOVERNS CANAL ZONE

Maj. Gen. Glenn C. Edgerton, M. E. '04, Prof. in Engrg. '16, is governor of the Panama Canal zone, perhaps the most vital fortified area in the world.

Lt. Col. Alden G. Strong, E. E. '11, is commandant of the American garrison in Bermuda.

An inquiry for Lt. Col. H. M. McClelland, B. S. '16, to the War Department building last June brought the answer "He is in London."

Lt. Col. Guy C. Rexroad, M. E. '09, is an alumnus in the national guard now in federal service. Colonel Rexroad has command of 130th Field Artillery at Camp Robinson, Ark.

IS WITH SUPPLY CORPS

Lt. Com. Ray V. Adams, Ag. '16, is in the supply corps of the United States Navy. He is in Seattle, Wash., as disbursing officer for the Thirteenth Naval district.

Maj. E. W. Young, D. V. M. '25, has charge of buying horses for the army at the Northwest Remount headquarters, Ft. Sheridan, Utah.

Lt. Col. E. W. Skinner, Ag. '16, is with the marines and is now at headquarters in Washington, D. C.

Capt. Phil R. Carter, D. V. M. '26, is in the veterinary corps of the United States forces, St. Johns, Newfoundland.

Lt. John H. Babcock, E. E. '41, has his headquarters in the Hawaiian department, in the signal office at Ft. Shafter, T. H. He is one of the six cryptograph officers for the army's Hawaiian department.

Lt. John D. Dietrich, Ag. E. '39, visited the Alumni office recently on his way to Puerto Rico. He is second lieutenant in the Coast Artillery Corps, Puerto Rican department.

Lt. Lester L. Peterie, C. E. '40, is with the Sixtieth Coast Artillery Corps at Ft. Mills in the Philippine islands.

There are hundreds of others in all branches of the service who are assuming ever-increasing responsibilities. They are demonstrating again that graduates of Kansas State College can make good in positions of leadership either in peacetime or during national emergencies, said Kenney L. Ford, alumni association secretary.

Ten Players Are in R. O. T. C.

Ten Kansas State College football players are cadet officers in the College Reserve Officers Training corps unit, and will receive commissions as second lieutenants in the reserve corps upon completion of their two-year advanced course. The boys are Frank Barnhart and Jim Watkins, ends; Richard Peters and Lawrence Duncan, tackles; John Hancock, center; Ray Rokey and Francis Gwin, quarterbacks; Max Timmons and Dick Rogers, halfbacks; and Kent Duwe, fullback.

Howe To Talk on Taxes

Dr. Harold Howe, professor in the Department of Economics and Sociology, will speak October 2, at Wakefield on the program of the Clay County Institute and Fair. Doctor Howe's topic will be "Kansas Tax Problems."

Will Discuss Beef Outlook

Pairs Wilson, assistant professor in the Department of Economics and Sociology, will discuss "The Outlook for the Beef Business in 1942" on October 1, at Burlington. Professor Wilson will appear on the program of the Coffey county beef tour.

MANY WEDDING BELLS RING

TARVIN—PREUSCH
Jeanne Tarvin, f. s. '41, and Carroll Preusch, G. S. '41, were married May 14. They are now at Hanover, where Mr. Preusch teaches in the high school.

STEELE—ATKINSON
Elizabeth Steele, f. s. '41, and Leroy Atkinson, D. V. M. '41, were married July 6. They live at 830 South Quincy, Tulsa, Okla., where Doctor Atkinson has a veterinary practice.

STRANGHOUER—ROEHRMAN
The marriage of Dorothy Stranghouser of Iola to Clinton Roehrmann,

P. E. '35, took place August 20. Their home is in Toronto, where Mr. Roehrmann is a teacher in the high school for the third year.

RICE—ELLIOTT
Vivian Rice, H. E. '41, became the bride of Lloyd P. Elliott August 2. Mr. Elliott, who attended southwestern college and the University of Kansas school of business, is connected with E. L. Mendenhall, Inc., Kansas City.

MONROE—SKINNER
The wedding of Mildred Rosamond Monroe and Thomas Franklin Skinner,

ner, M. E. '36, took place June 28. They are at home at 1639 Ridge avenue, Evanston, Ill., where Mr. Skinner is employed with the General Electric company.

MEYERS—APPL
Gladys Meyers of Chattanooga, Tenn., and Theodore A. Appl, E. E. '31, were married July 19. Mr. Appl, county engineer of Rush county until last November, is now engineer on a Tennessee Valley authority project near Chattanooga.

LINDAHL—GRIFFITH
The wedding ceremony for Gladys Lindahl, f. s., and C. Lyndon Griffith, M. E. '41, was June 28. Mr. Griffith, a member of Kappa Sigma fraternity, is with Stearman division of Boeing Aircraft. The couple are at home at 401 North Hillside, Wichita.

CANTRELL—FRICK
Rosalie Cantrell and Lyman P. Frick, M. S. '41, were married July 18. Mr. Frick has an assistantship in the Department of Zoology here and Mrs. Frick will finish work for her degree in general science while they are living in Manhattan this winter.

PAINES—WILSON
Betty Paine, f. s. '41, and William H. Wilson, M. E. '41, were married June 16. The bride, a member of Delta Delta Delta sorority, and groom, affiliated with Phi Delta Theta fraternity, are at Schenectady, N. Y. Mr. Wilson is with General Electric company.

MURPHY—PEIRCEY
The wedding ceremony of Mabel Lois Murphy, f. s., and George H. Peircey, B. A. '41, was solemnized May 27. Mrs. Peircey, member of Delta Delta Delta sorority, attended Kansas State College for three years. They are at home at 1411 Thomaston avenue, Waterbury, Conn.

PASCHAL—WOOLLEY
Frances Paschal and Eugene E. Woolley, M. I. '41, were married July 26 at the home of the bride's parents in Osborne. Mr. Woolley is a member of the Alpha Mu and Phi Kappa Phi fraternities. He is employed by the General Mills corporation in Oklahoma City, where they are at home.

WILKERSON—JAMESON
Margaret Wilkerson, G. S. '41, was married to Kenneth R. Jameson, Ag. '41, June 22. The bride's sorority is Zeta Tau Alpha, while the bridegroom is a member of Alpha Gamma Rho fraternity. They are at home in Burlington, where Mr. Jameson is working with the Farm Security administration.

McWILLIAMS—HANNAWALD
Doris McWilliams and Emmett Hannawald, Ag. '39, were married August 9. The bride has been employed by the Home Owners' Loan corporation in Omaha and Mr. Hannawald is employed by the United States Department of Agriculture as state statistical agent. They are at home in Topeka.

JOHNSMEYER—BISIG
Erna Johnsmeier, H. E. '25, and Joe Bisig were married August 11 at the Christian church parsonage. Mrs. Bisig has been in charge of Johnsmeier's bakery, 610 North Twelfth street, Manhattan. Mr. Bisig is linotype operator in the Department of Industrial Journalism and Printing, Kansas State College.

DUNBAR—FRIEZE
The marriage of Helen Dunbar, H. E. '38, to Ralph A. Frieze took place in Bentonville, Ark., July 5. Mrs. Frieze, a member of Chi Omega

sorority, taught last year in the Liberty junior high school, Hutchinson. Mr. Frieze is employed by the Staley Milling company, Kansas City, Mo. The couple will make their home in Emporia.

SOUDER—WHITE
Eleanor Souder, H. E. and N. '39, is now Mrs. Thaddeus H. White. After their marriage July 13, Mr. and Mrs. White moved to 3640 Summit, Apartment 102, Kansas City, Mo. Mr. White, a graduate of the University of Kansas in 1939, is a senior in medical school at the University of Kansas hospital, Kansas City, Kan.

SIEM—BUSKE
Catherine Siem, P. E. '39, and Donald Paul Buske were married July 3. Both are graduates of the high school at Rochester, Minn. Mr. Buske was graduated from Rochester junior college and attended Dumbwoody institute. Mrs. Buske has been physical education instructor at Madison, S. D., high school for two years. Their home is in Rochester.

FAHLEN—NOBLE
The marriage of Ethel Fahlen, Portland, Ore., to John L. Noble, G. S. '37, was July 26. The bride is a graduate of Reed college, Portland, and has been teaching the past year. Mr. Noble received his master's degree at Iowa State college in 1939. He is with the United States engineers at Portland. Their home address is 2046 Northwest Irving street, Portland.

EMERY—KISER
Martha E. Emery, H. E. '40, became the bride of Roy W. Kiser, Ag. '40, July 6. Last year Mrs. Kiser taught vocational homemaking at Onaga and Mr. Kiser began his farm service work with the American Chemical Fertilizer company in St. Louis, Mo. He is with the same company at Springfield, Mo. Their address is 431 South Kimbrough avenue, Springfield.

MCBRIDE—COMBS
Mary Katherine McBride and Stanley Elbert Combs, Ag. '41, were married May 23 by the Rev. William Guerrant. She is a graduate of the University of Utah and has attended the summer sessions at Kansas State College for the past two years. For the past three years, she has taught in the junior high school at Leavenworth. The couple are at home at 311 Park avenue, Wilson, N. C.

BETTON—SHURTZ
Sue Betton, f. s., sailed June 5 from New York for Panama. She was married there June 12 to Lt. Ward H. Shurtz, C. E. '36, with a military wedding. Mrs. Shurtz, a sister of Matt Betton, Manhattan orchestra leader, is a member of Pi Beta Phi sorority. Lieutenant Shurtz' fraternity is Alpha Tau Omega. He is with the Seventy-Third Coast Artillery corps, Ft. Amador, Canal Zone.

WERTS—KROUSE
Frieda Werts, C. '37, was married to Gale E. Krouse May 31 at the First Methodist church in Concordia. The bride, a member of Alpha Xi Delta sorority, has for the past three years taught in the high schools of Haddam and Onaga. Mr. Krouse is a graduate of the Washburn law school and a member of Phi Delta Theta fraternity. He is a practicing attorney in Onaga, where they are making their home.

WINDER—WEBER
Jessie Helene Winder, H. E. '25, M. S. '35, and Carl F. Weber were married June 7 at the First Metho-

dist church, Las Vegas, Nev. For the past four years the bride has been head of the Department of Home Economics at La Verne college, La Verne, Calif. The groom is in the personnel division of the General Electric company in Ontario, Calif. Their home is at 505 East First street, Ontario.

GIVENS—DENDURENT
The marriage of Maxine Givens to Harold O. Dendurent, I. J. '34, was solemnized July 6. The bride, a member of Beta Sigma Phi, has been employed in the Riley County social welfare office for the past eight years. Mr. Dendurent is a member of Sigma Delta Chi, the Manhattan Junior Chamber of Commerce and the Cooperative club. He has been managing editor of the Manhattan Mercury for the past four years.

STAGG—CRUMBAKER
Dorothy Dawn Stagg, H. E. '38, became the bride of Don E. Crumbaker, Ag. '41, May 22. Mrs. Crumbaker, member of Clovia sorority, has been teaching in the department of vocational homemaking in the city schools of Gardner. Mr. Crumbaker is now assistant county agent in Atchison county. He was coach of the freshman football team from Christmas of this year until spring. They are at home at Effingham.

LELAND—HUFF
One of the summer weddings in Manhattan was that of Dorothea Leland, H. E. '40, to Vearl N. Huff, E. E. '39, June 1. Last year the bride taught in the high school at Otis, while Mr. Huff began his work on the National Advisory Committee for Aeronautics at Langley Field, Hampton, Va. Before that he attended Stanford university as a graduate assistant. Their home is now at 224 Newport News avenue, Hampton.

CHITWOOD—BUNGER
The wedding of Ida M. Chitwood, H. E. '32, M. S. '33, and William Bunker took place May 29 in Topeka. Until August 1 they planned to live in Manhattan, but will make their home in Wilmington, Del. Mrs. Bunker is a member of Omicron Nu. The groom is a graduate of Washburn college and received his master's degree at Kansas State College this summer. He recently was elected to Sigma Xi and Phi Lambda Upsilon, honorary fraternities.

BILLINGS—FLETCHER
The marriage of Phyllis Billings, Topeka, to Horton Fletcher, M. E. '41, took place July 26. They left immediately after the ceremony for their home in Waterloo, Iowa. The bride attended Kansas State College three years and is a member of Omicron Nu, national home economics honorary society. Mr. Fletcher is a member of Pi Mu Epsilon, national mathematics honorary fraternity. He is now employed by the John Deere company in Waterloo.

WATERSON—KIDDER
The marriage of Arlene Waterson, H. E. '39, M. S. '41, and Lewis Kidder, Ag. '39, took place June 1. The bride was for a year a graduate assistant in the Child Welfare department at Pennsylvania State college and last year was at Kansas State College. She is a member of Phi Kappa Phi, Omicron Nu and Mortar Board honorary societies. Mr. Kidder went to the University of Kansas school of medicine a year and a half after graduating from Kansas State College, and will finish his course in medicine at the University hospital, Kansas City. Their home is at 3747 Cambridge avenue, Kansas City, Kan.

KANSAS STATE COLLEGE RECORDINGS

"Alma Mater" and "Wildcat Victory" by the Kansas State College Men's Chorus

and

"Roll on, Kansas State" and "Shoulder to Shoulder" by the College Band

All four of the above songs so dear to Kansas State College students and alumni recorded on one standard phonograph record will be mailed anywhere in the United States for \$1 each. Alumni in foreign countries should add the necessary additional postage.

If you wish one of these records for your home or alumni meeting, fill out the following order blank and mail to the Kansas State College Alumni association, Manhattan.

- Enclosed find \$1 for one K. S. C. recording.
- Enclosed find 15c for one printed copy of "Wildcat Victory."

Name

Address

DOCTOR WILLARD'S HISTORY

Dr. Julius T. Willard's "History of Kansas State College of Agriculture and Applied Science" is now available.

Please return the following order blank to the Alumni office, Kansas State College, for your copy:

- Enclosed find \$..... to complete payments on my life membership, which will entitle me to a free copy.
- Enclosed find \$4 for one copy and annual membership in the Alumni association for 1941-42.
- Enclosed find \$1 for one copy. My 1941-42 dues already have been paid.
- Please ask Doctor Willard to autograph my copy.

Name

Address

ARE YOU AN ACTIVE MEMBER?

Being an active member of the Kansas State College Alumni association should mean more than paying \$3 a year or \$50 for a life membership. Here are a few of the earmarks of an active member:

1. Reads THE INDUSTRIALIST.
2. Contributes to special projects such as Memorial Stadium, Albert Dickens Loan fund and Van Zile portrait.
3. Attends college functions, such as football games.
4. Attends five year class reunions.
5. Encourages prospective students to attend the College.
6. Explains needs of college to members of the legislature, and other state officials.
7. Encourages others to make gifts and bequests to the College.
8. Assists needy students at Kansas State College.
9. Offers constructive suggestions to proper College officials.
10. Is willing to serve in the legislature or on committees and boards affecting the College.
11. Attends local alumni meetings.

If you favor any of the above suggestions and want to have a part in building a greater Kansas State College, fill out the blank below and mail it with your check to the Alumni office, Kansas State College.

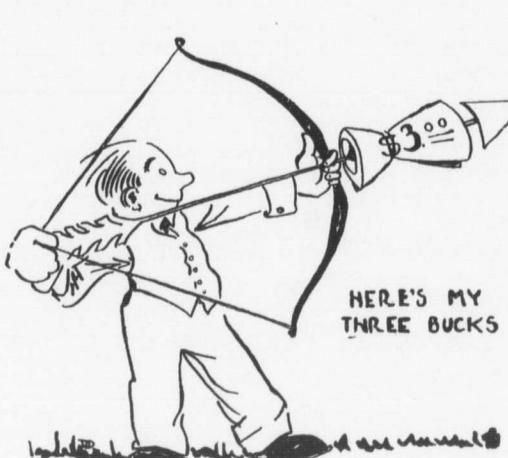
Annual Membership \$3.00
INDUSTRIALIST for One Year

Life Membership (INDUSTRIALIST for Life)

I, of the class of K. S. C. do hereby apply for life membership in the K. S. C. Alumni Association. In consideration I promise to pay the following amounts when due:

1. <input type="checkbox"/>	\$50.00 on or before.....1, 194....
2. <input type="checkbox"/>	\$50.00 in 10 successive monthly instalments of \$5 each, beginning.....1, 194....
3. <input type="checkbox"/>	\$13.00 on or before.....1, 194.... \$12.40 on or before June 1, 194.... \$11.80 on or before June 1, 194.... \$11.20 on or before June 1, 194.... \$10.60 on or before June 1, 194....

Signed.....



AMONG THE ALUMNI

Nellie Sawyer Kedzie Jones, A. B. '76, M. S. '83, LLD. '25, was in the center of activities during Commencement week last spring. Mrs. Jones came from Madison, Wis., to attend the alumni activities and to celebrate the sixty-fifth anniversary of her graduation from Kansas State College. She is professor emeritus in home economics at the University of Wisconsin, Madison.

William H. Sikes, '79, is a merchant at Leonardville. He handles a general merchandise store there.

Flora (Donaldson) Rhodes, B. S. '81, may be addressed at 15103 Lake avenue, Suite 1, Lakewood, Ohio.

Dr. J. T. Willard, B. S. '83, M. S. '86, D. Sc. '06, College historian, and Lydia (Gardiner) Willard, f. s. '82, made two trips this summer. They visited in Columbus, Ohio, with their son, Charles J. Willard, B. S. '08, who is professor of agronomy at Ohio State university. They spent July and the first of August at Green Mountain Falls, Colo.

Dorothea Cara (Secrest) Hungerford, B. S. '85, Randolph, was in Manhattan last week. She had lunch with her son, William M. Hungerford and Mrs. Hungerford, Route 1, Manhattan.

John U. Higinbotham, B. S. '86, Saratoga, Calif., was designated by Pres. F. D. Farrell to represent the College at the celebration of the fiftieth anniversary of the founding of Stanford university on June 20. Mr. Higinbotham was unable to attend and Henry W. Schmitz, Ag. '22, of Berkeley, Calif., did so.

John B. Brown, '87, is in Phoenix, Ariz. His address is Route 2, Box 372.

Abby L. Marlatt, B. S. '88, M. S. '90, Dr. of Science, '25, made a trip this summer with Mrs. Nellie Kedzie Jones, '76. They visited the summer home of the brother of Miss Marlatt, Charles L. Marlatt, B. S. '84, in Seal Harbor, Me. She also spent some time at the home of Nellie Kedzie Jones before returning to her home in Madison, Wis., where she is professor emeritus in home economics at the University of Wisconsin.

Judson H. Criswell, B. S. '89, visited the campus September 19. He is now retired from his work with the United States Department of Agriculture, where he worked 26 years. He and Isabelle (Frisbie) Criswell, '94, live at 219 South Eleventh, Independence.

Dr. Francis H. White and Anna (Fairchild) White, B. S. '91, were honored by a family dinner on the occasion of their golden wedding anniversary, June 24. Four of their six children and seven of their 14 grandchildren were present. Doctor White, a Ph. D. of Harvard, was for many years a professor of history in Pomona college, and for 15 years was deputy labor commissioner in charge, Sacramento, Calif. He was a professor of history at Kansas State at the time of their marriage.

Eusebia (Mudge) Thompson, B. S. '93, is at 274 Glenn avenue, Apartment B, Fresno, Calif.

J. F. Odle, B. S. '94, visited the campus September 15. He is a farmer and lives at Wamego.

E. H. Freeman, B. S. '95, Dr. Engng. '35, is professor and head of the electrical engineering department, Armour Institute of Technology, Chicago. This month he represented Kansas State College at the academic festival of the University of Chicago, the celebration of their fiftieth anniversary.

Bret R. Hull, B. S. '97, is foreman of a large warehouse at Ft. Riley. He and Mrs. Hull live at 1523 Fairchild avenue, Manhattan.

Abner D. Whipple, B. S. '98, is now at 3443 N. E. Thirty-Fifth avenue, Portland, Ore. He has retired from service of the Bell Telephone company, a work which took him to Antwerp, Belgium, for some years.

Albert T. Kinsley, B. S. '99, M. S. '01, retired in January from his position as consulting veterinarian and manager of the Kinsley Labs in Kansas City, Mo. He and Anna (Smith) Kinsley, '01, live at 616 E. Fifty-Ninth street, Kansas City, Mo.

F. W. Christensen, B. S. '00, recently elected president of the North Dakota-K. S. C. Alumni association,

is professor of animal nutrition in the North Dakota Agricultural college, and animal nutritionist for the experiment station at Fargo, N. D.

Louise (Gerteis) Rutledge, B. S. '01, who has been lost on the alumni files for several years, is at 1126 Cook street, Denver, Colo.

Margaret (Mather) Romine, D. S. '02, is owner and manager of an apple orchard in Morgan county, Indiana. Her address is Mooresville, Ind.

Grace Umberger, D. S. '05, is nursing at St. Joseph hospital in Stockton, Calif. Her address in Stockton is 1939 S. California. Miss Umberger was formerly head nurse in student health work at Kansas State.

Henry Otto, B. S. '06, and Maida (Schultz) Otto, f. s. '12, live at 1208 Houston, Manhattan. Mr. Otto is an abstractor of titles and has his office at 400 Poynz.

L. M. Jorgenson, E. E. '07, M. S. '30, spent the summer in Schenectady, N. Y., working in the engineering office of the industrial control, General Electric company. He is professor in electrical engineering at Kansas State. He and Annie (Harrison) Jorgenson, D. S. '09, live at 730 Laramie, Manhattan.

Andrew H. Wright, Ag. '08, is professor of agronomy at the University of Wisconsin, Madison. His address is 222 Forest, Madison.

Zephine (Towne) Shaffer, H. E. '11, wrote the first of August "I am having a most delightful tour of Mexico in company with a group of 30 D. A. R.'s from Washington, D. C. Mexico is one of the most delightful and interesting countries I have ever visited."

Walter E. Deal, E. E. '16, reported while back in the spring that he is employed as supervisor in the price department of Western Electric company, New York City, N. Y. He and Mary (Nicolay) Deal, f. s. '18, live at 622 Fairmont avenue, Westfield, N. J.

Marion (Keys) Browne, H. E. '17, filled out a news blank for herself and her husband, W. A. Browne, D. V. M. '28, when they visited the campus in September. Their home is at 101 E. Seventeenth street, Merced, Calif., where Mr. Browne is a veterinarian. They have a daughter, Mary Bell, 10.

Morton J. Stigers, E. E. '21, is telephone engineer with the American Telephone and Telegraph company. The Stigers residence is at 131 Dartmouth street, Rockville Center, Long Island. Their children are Arly H., 16, and Joe E., 11.

Raymond E. Samuelson, M. S. '29, has a poultry farm and hatchery in Alliance, Neb. He and Genevieve (Lewis) Samuelson have two children, Diane, 3, and Mary Ann, 5.

William J. Lynn, Ag. '31, is farm security supervisor in Lyon county. He was with the Farm Security administration in Cherokee county. He and Effie (McKinney) Lynn, f. s., live at 1717 W. Wilmar court, Emporia.

J. Franklin Thackrey, I. J. '33, M. S. '34, is with the Bureau of Agricultural Economics, Washington, D. C. He and Jessie (Dean) Thackrey, '34, have two daughters, Janet and Karen. The Thackreys were formerly at Lincoln, Neb.

William D. Fitch, Music Ed. '35, is director of the Kansas State College band this year, the position held by Lyle Downey, who is on leave of absence at the University of Iowa. Mr. Fitch taught music for two years at Buhler, two years at Beloit, and for the past three years has been at the Central junior high school in Kansas City, Kan., as music instructor. He and Elizabeth (Lamprecht) Fitch, '36, have a daughter Charlotte Ann, 1.

Delite Martin, I. J. '36, began work in August as midwestern editor of a new magazine, Your Charm. Miss Martin was formerly employed by the Lucien Lelong company in Chicago. Her address is 1220 N. State, Chicago, Ill.

Norma Holshouser, H. E. '38, is graduate assistant in the department of clothing and textiles at the University of Minnesota, University farm, St. Paul, Minn. Last year she taught clothing in the Junction City high school.

B. G. Hildyard, C. E. '39, is draftsman in the county engineers office, Wellington.

Iona Dunlap, B. S. '40, is music supervisor in the Rexford schools, Rexford. Last year she taught music at Long Island, Kan.

LOOKING AROUND KENNEY L. FORD

Homecoming Alumni to Meet

A new feature will be added to the Homecoming football game November 1 when alumni will be given an opportunity to meet old classmates and friends immediately after the football game. K fraternity men will form a row down the center of the gridiron with signs reading '00, '05, '20, '35, etc. Each alumnus attending the game is to go to the sign nearest his year of graduation. This will permit many old friends to meet those who might be missed in the usual rush to get away from the game as soon as Alma Mater is sung.

Paid-up Members Help Students

It means a great deal to be a paid-up life member of the Kansas State College Alumni association—to know that you have a part in helping worthy students through the Alumni loan fund and that you will receive THE INDUSTRIALIST for life.

Since July 25, the following have joined the group of paid-up life members, which now totals 1,078:

Evelyn E. Stout, '38, M. S. '41, Chanute; Beth Byers, '39, Winston-Salem, N. C.; Harold Scanlan, '37, Abilene; Col. Guy Rexroad, '09, Camp Robinson, Ark.; J. E. Norton, '25, and Della (Justice) Norton, '25, Bozeman, Mont.; Frank Larmer, '23, Washington, D. C.; Herb J. Barr, f. s. '23, Leoti; Max Wann, '37, and Marjorie (Cooper) Wann, '38, Hays.

Directors, Council to Meet

How Kansas State College may be helped by its alumni will be discussed by Pres. F. D. Farrell at a dinner meeting of the board of directors and advisory council of the Alumni association October 31. The dinner will be served at 6:30 p. m. at the Manhattan Country club with H. W. Luhnow, president of the association, in charge.

Members of the board of directors are H. W. Luhnow, '17, president, Kansas City, Mo.; R. V. Christian, '11, vice-president, Wichita; W. E. Grimes, '13, treasurer, Manhattan; A. P. Davidson, '14, secretary, Manhattan; Henry W. Rogler, '98, Matfield Green; R. A. Seaton, '04, Manhattan; L. C. Williams, '12, Manhattan; Charles Shaver, '15, Salina; and Gaylord Munson, '33, Junction City.

The advisory council includes C. E. Friend, '88, lieutenant-governor of Kansas, Lawrence; Mame (Alexander) Boyd, '02, Phillipsburg; Clarence G. Nevins, '07, Dodge City; W. Carleton Hall, '20, Coffeyville; and J. W. Ballard, '26, Topeka.

Brothers Fight for K. S. C.

Two brother combinations will play a big part in Kansas State College's 1941 football campaign. Ned Rokey, sophomore blocking back, may be clearing the way for his senior brother, Ray, who plays quarterback. Richard Peters is a senior tackle while his sophomore brother, Chet, works at end. The Rokeys are from Sabetha, the Peters from Valley Falls.

LOST ALUMNI

The College Alumni office is trying to find the present address of the following alumni. Any information that you can give will be greatly appreciated.

1871 Luella M. Houston
1882 Ida (Cranford) Sloan, Edward B. Cripps
1883 Kate (McGuire) Sheldon
1884 William A. Corey
1894 John U. Secrest
1896 Lisle Willits Pursel
1898 Charles Percy King, Lewis A. Nelson, f. s.

1899 Nellie (Towers) Brooks
1900 Herman C. Haffner
1902 Roger Bonner Muller
1904 John Arthur Johnson
1905 Charles W. Cummings

1906 Lewis M. Graham, Warren E. Watkins, Thomas F. White

1907 Lee S. Clarke, William L. Davis, Stella (Finlayson) Gardner, Samuel P. Haan, Frank Sorgatz, Virginia (Troutman) Wilhite
1908 Carl C. Long, Vincent G. Manalo, Phillip E. Marshall, Matilda (Trunk) Moutray

1909 Jesse T. Hirst, Roy Wilkins, Marion Williams

1910 Earl J. Trosper

1911 Raymond Cecil Baird, Ralph Morris Caldwell

1912 Earl Watson Denman, Selma Nelson, Clinton J. Reed, Franco Thomas Rosado, John Allen Higgins Smith

1913 Irene Fenton, Elmer Schneider

1914 Ida Fra Clark, Lloyd Gearhart, Harry Virgil Mathew, Mary Katherine Sterrenberg

1915 Lulu May Albers, Juanita Davis

1916 George Louis Farmer, Andrew J. Herold, Albert Rufus Miller, Edward Russell, Elizabeth Blanche Walsh

1918 Hobart McNeil Birks, Joseph E. Taylor

1919 Kathryn Browning Heacock, William Axtell Norman

1920 Estella (Barnum) Shelly, Adelaide Evelyn Beedle, Loring Elmer Burton, Leonard Sinclair Hobbs, Harold Frederick Laubert, Joseph Linn Mullen

1921 Louis B. Bate, Edlena (O'Neill) Flagg

1922 Harriet May Baker, Edith (Miller) Casford

1923 Joseph E. Haag, Paul Frederick Hoffman, George Sneer Holland, Bernice S. Prescott, Gerald Clair Sharp, William Fuller Taylor, Charles L. Turley

1924 Dorothy Ackley

1926 Karl F. Hoelzel

1927 Harry J. Isham

1929 Virgil M. Fairchild

1930 Robert I. Denny, Alzina Reed

1931 Norman O. Butler, John Eugene Holmberg

1932 Elizabeth (Lloyd) Minton

1933 George R. Collier, Carl Edward Holliday, Oliver J. Selfridge, Roy Blanchett Smith

1934 Dorothy (Jobling) Kendall

1935 James B. Nash

1936 William Charles Kosinar, Obed E. Myrah, Forest O. Waters

RECENT HAPPENINGS ON THE HILL

Miss Dorothy Hamer, new director of Van Zile hall, will be honored at a tea Saturday in her new home. Miss Hamer was formerly dean of girls in the Emporia city high school.

Viola Setter, Manhattan, is the third girl to be added to the cheering squad this year. Marianna and Susan Johnson, Potwin, were on the squad last year. Other cheer leaders are Robert Handel, Napa, Calif.; Robert Wright, Manhattan; Merrill Werts, Smith Center; William Borland, Clay Center; Jack Pierce, Ft. Riley, and Bob Gray, Geneseo.

Cast members of the Manhattan Theatre's first production, "The Male Animal," which goes into rehearsal this week, are Joe Jagger, Minneapolis; Betty Jeanne Sharp, Kansas City; Barbara Bouck, Manhattan; Al Huttig, Kansas City; Phil Smith, Manhattan; Robert Stafford, El Dorado; Margaret Reissig, Topeka; Harold Vicory, Greenleaf; Doris Shull, Kansas City; Keith Tompson, Wichita; Eugene Kimple, Lyons; James Porter, Fredonia; and Catherine Savage, Parsons.

Election of Student Council members will hereafter be made by divisions instead of by the entire student body. Four-fifths of the students at a special assembly last week passed an amendment to the constitution of the Student Governing association providing for this system of election. The Student Council feels the amendment will tend to eliminate the "popularity contest" element from the elections and aid in selection of the most capable students for the offices. The measure will go into effect in the spring election, when each division will choose its own Council members. The number of members from each division will be determined by the proportional size of enrollment.

BIRTHS

Laurie Jo is the name chosen for their daughter by Orland W. Howe, Ag. E. '30, and Helen (Christensen) Howe of Mitchell, Neb. Mr. Howe is agricultural engineer in irrigation investigation at the Scottsbluff Field station.

Arthur D. Tindall, I. Chem. '35, and Virginia (Edelblute) Tindall, P. E. '32, have named their daughter, born September 3, Jane. The Tindalls live at 1700 Walker street, Kansas City. Mr. Tindall is a chemist for Shell Petroleum corporation in Kansas City, Mo.

Howard Edward and Harold Oscar, twin sons of M. S. Dendure, Chem. E. '39, and Lucille (McIntosh) Dendure, were announced as the all star cast of a double feature. Their first appearance was on June 23—a howling success! The Dendures live at 427 Highland avenue, South Charleston, W. Va.

ALUMNI NEWS

Regardless of where you are or what you are doing, please fill out this news blank and mail it to the Alumni office, Kansas State College.

1. Name Class

2. Residence address

3. Business address

4. Married?..... If so, to whom?.....

Date of marriage?..... Is wife or husband graduate or former student of some college or university?..... Name of institution?..... When?.....

5. Occupation (Give complete information, company you work for, title of your position; if teaching, tell what and where, etc.).....

.....

.....

.....

FURR ANNOUNCES THAT 188 WIN FRESHMAN RECOGNITION

ACADEMIC HONORS ARE BASED UPON LAST YEAR'S WORK

Rex Leuze, Sabetha, Engineering Student, Leads Entire Class; All Had Average of "B" or Better

Recognition for academic honors earned by 188 of the 1220 freshman members of the class of 1944 has been announced by Prof. M. W. Furr, chairman of the Committee on Student Honors.

The young men and women recognized received grades of B or better. Letters of commendation have been sent to the students' parents.

REX LEUZE IS FIRST

Rex Leuze, Sabetha, freshman in the Division of Engineering and Architecture, was first in the entire freshman class. Other ratings in the entire freshman group include Brinton Dirks, Moundridge, second; Emma Louise Thomas, Hartford, third; Darren Schneider, St. Francis, fourth; and Myron Foveaux, Junction City, fifth.

Ratings were also made by divisions. Students ranking first in their respective divisions include: Brinton Dirks, Moundridge, first in the Division of Agriculture; Rex Leuze, Sabetha, first in the Division of Engineering and Architecture; Donald Richards, Manhattan, first in the Division of General Science; Emma Louise Thomas, Hartford, first in the Division of Home Economics; William Thies, Jr., Marion, first in the Division of Veterinary Medicine.

The entire list:

DIRKS LEADS AGS

Division of Agriculture—Brinton Dirks, Moundridge; James Otto Larsen, Scandia; Walter Henry Smith, Shawnee; Dale Knight, Manhattan; Robert Pickett, Manhattan; John Aiken, Moran; Harold Hackerott, Alton; Melvin Stiefl, Gypsum; Lloyd Alvey, Kansas City; Alfred Koch, Sharon Springs; Chester Wood, Trousdale; Robert Flipse, Oakley; John Tasker, Caney; Wallace Anderson, Greenleaf; Harold Riley, Holton; George Curtis, Toronto; William Henry, Jr., Lecompton; Howard Johnstone, Wamego.

Foster Yeager, Manhattan; John Sayler, Manhattan; James Shaver, Goodland; Ned Rokey, Sabetha; Bernard Taub, Brooklyn, N. Y.; Lloyd Kuhmuensch, Clayton, Mo.; Clair Parcel, Coldwater; Richard Keith, Burlington; William Phillips, Walton; Wesley Wertz, Quinter; William Hadley, Alton; Charles Worthington, Lecompton; Frederick Palmer, Manhattan; Harlan Shuyler, Bethel; Ronald Billings, Topeka; Duane Peterson, Bridgeport; William Weiland, Stockton.

Division of Engineering and Architecture—Rex Leuze, Sabetha; Darren Schneider, St. Francis; Myron Foveaux, Junction City; Donald Davis, Abilene; Don Grutzmacher, Onaga; Raymond Maldoon, Marysville; Dale Carver, Oakley; Robert Keith, Manhattan; Loyd Peterson, Kinsley; Ralph Popp, Marion; Raymond Warner, Abilene; George Hetland, Jr., Manhattan; Lloyd Smith, Great Bend; Cecil Siebert, Pretty Prairie; Solon Fisher, Kansas City; Richard Parker, Leavenworth; Otto Trechter, Jr., Hoisington; James Reid, Clyde; Charles Vincent Jakowitz, Kansas City; Duane Sawhill, Glasco; Patrick Riney, Junction City; Harold Volkman, Lyons; Sivert Thompson, Delia; James Samuel Machen, Abilene; Glenn Barngrover, Kingman; John Campbell, Smith Center; Phillip Bircher, Kanopolis; Harold Davison, Leavenworth; William Guthrie, Kansas City; John Lewis, Mansfield, Pa.

Ralph Krey, Zenith; Robert French, Hanover; William Luttkem, Wichita; H. James Bartels, Inman; Harold Copeland, Kansas City; Merl Patterson, Junction City; Marton Sheldon, Cunningham; Wallis Leroy Teeter, McPherson; Norman Crook, Ogden; Thomas Hotchkiss, Burlingame; Clarence Allen, Atchison; Robert Dennison, Salina; Paul Farber, Norwich.

LEADS GENERAL SCIENCE

Division of General Science—Donald Paul Richards, Manhattan; Betty Brass, Wilmore; Zelma Finn, Great Bend; Charles Holtz, Manhattan; Charles Gugler, Woodbine; Margaret Ann Massengill, Caldwell; Virginia Suddarth, Great Bend; John Robinson Fuller, Salina; Virginia Lee Green, Kansas City; Chester Peters,

AT MARCH FIELD



WILDCATS DEMONSTRATE THEIR STRENGTH, FAIL TO SCORE AGAINST FT. HAYS SQUAD

By H. W. DAVIS

Head, Department of English

Hobbs Adams' 1941 edition of Kansas State Wildcats demonstrated their superior bigness and strength over the Fort Hays Tigers on Ahearn field last Saturday afternoon, but only between the 20-yard markers. In pay turf the Tigers stiffened and the Wildcats softened. The score was 0 to 0, and Paul Waldorf and his boys were plentifully happy thereat, if you judged by their glee on the gridiron at the final curtain.

A non-charging line and a fumbling backfield, plus too much languor all around, featured the play of Adams' boys. Whether it was the warm afternoon or general overconfidence, they did not wade in and fight, and therein seems to lie the explanation of the scoreless tie and the "moral" victory of the determined lads from Fort Hays. Perhaps a considerable amount of explanation comes from the alert work of Kohler, Hays center, on defense, and of Kennedy, backfield skipper of parts, on both defense and offense.

Upon four crucial occasions, the Wildcats muffed the ball into the alert arms of on-the-spot Tigers. Eighteen times they hurled passes, but only three times were they accurate enough to be caught. Four times they were in easy scoring position, but not once could they follow through.

Peter Mitchell, Axtell; Earl John Splitter, Frederick; Amos Wilson, Manhattan; Keith Donald Henrison, Concordia; Russell Galbraith Minnis, Manhattan; Warren G. Harris, Manhattan; Willard Lyle McMahan, Rossville; Merrill Dean Rockhold, Herington.

COMMERCIAL MANUFACTURE OF STARCH IS BEING STUDIED AGAIN THIS YEAR

Research Fellowship Includes Work with Sorghum Grains Not Duplicated in United States

Two studies of the possible commercial manufacture of starch from farm products are being continued during the new school year at Kansas State College. The work, including experiments with sorghum grains which are said to be duplicated nowhere else in the United States, is done under research fellowships in the College budget approved by the State Board of Regents.

Dr. W. L. Faith, head of the Department of Chemical Engineering, said that research already done with sorghum grains during the past two years showed "great promise for industrial utilization."

John Waggoner, who was working with sorghums last year, has been re-employed, and Rodney W. Johnston, a student at the University of Nebraska last year, has been hired to continue the inquiry into the manufacture of starch from other agricultural raw products of Kansas. Tests with starch made from Irish and sweet potatoes are now being completed.

Raymond E. Seltzer has been selected to study the economics of Kansas' meat packing industry, with special attention next year to the changes resulting from frozen meats and cold storage lockers.

Harold H. Munger has been re-appointed to study new sources of highway materials to be used in concrete aggregates.

Coach Adams tried numerous backfield and end combinations, but not one of them seemed to click. Occasionally one of the new deception plays seemed to work, but lack of down-the-field blocking soon brought the ball-lugger to earth. Alert back-of-the-line defense by the Tigers was never solved by Wildcat blockers; too often it was not interfered with.

On next Saturday the Wildcats journey to Northwestern to engage the pupils of another Waldorf. Much hard work is undoubtedly in store for them before they entrain.

Here is the summary:

	K.S. Hays
First downs, total	14
From rushing	12
From passing	2
From penalties	0
Net yards rushing	203
Yards lost	11
Net yards forwards	41
Forwards attempted	18
Forwards completed	3
Behind the line	3
Intercepted by	0
Yds. interceptions returned	11
Punts, number	2
Returned by	2
Blocked by	1
Punts, average yards	32
Kickoffs, number	1
Returned by	1
Kickoffs, average	48
Yards kicks returned, total	61
Punts	45
Kickoffs	16
Goals	0
Fumbles	4
Ball lost	4
Penalties	5
Yards lost on penalties	45
Balls lost on downs	6
Balls lost on penalties	0

KEEPING GOOD BUDGET WILL ASSIST IN INCREASING FARMER'S INCOME

Bulletin by Raymond J. Doll Discusses Agriculture in Bluestem Belt of Kansas

The Kansas farmer's best method for increasing his income and promoting the welfare of himself and his family is to prepare a good budget and use it to guide the operation of the farm, said Raymond J. Doll, instructor in agricultural economics, in a recent publication of the Kansas Agricultural Experiment station, "Planning the Farm Business in the Bluestem Belt of Kansas."

Kansas farmers have met the situation, in the past decade, by adapting their farms to existing conditions, Mr. Doll said.

The method which has proven most satisfactory for farmers, Mr. Doll reported, is the use of the comparative farm budget. By this method the farmer may test the expected results and determine in advance the plan which should be most profitable under normal or assumed conditions.

A general plan of the farm is necessary in order to determine the most desirable kinds and proportions of crops and livestock to produce. Mr. Doll said that the size of the farm should be considered first, as the plan of the farm is developed and before the budget can be prepared.

Various methods of handling beef cattle on farms of two different sizes are considered and budgets were prepared for them. The budgets indicate the probable returns from the various methods. From these budgets, Mr. Doll believed that the farmers can get some ideas that may save them time and trouble in planning their own budgets.

Attends Food Meet

G. A. Filinger, associate professor in the Department of Horticulture, attended the National Frozen Food Locker conference in Omaha, Neb.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Taxation is a means of socializing income."

Taxation is a means of socializing income. The needs of men are satisfied in two ways. One way is for each man or each family to take the action necessary to satisfy its wants. In doing this the person or the family spends its own income and chooses the things for which the income is spent.

A second way of satisfying wants is for people to group together and collectively obtain the things that they wish. Usually this is done through government. Government action is group action. The government represents the group. Taxes are the

sources of most of the funds used by government in getting things which people desire to obtain collectively.

As income is taken to pay taxes, this income goes to obtain the things which men desire but which are obtained collectively. The income is socialized. People tend to share equally in the advantages from government even though their contributions in the form of taxes are unequal. The portion of their income taken as taxes goes for the social good or, in other words, the good of the group.

FROSH FOOTBALL CALL BRINGS 88 CANDIDATES FOR BERTHS

KANSAS HIGH SCHOOLS SUPPLY MOST OF FRESHMEN

Bernie Weiner, Art Kirk, and Ken Makalous, All Lettermen on Last Year's Varsity, Serve as Coaches for Squad

Eighty-eight freshman football candidates have reported for practice at Kansas State College. Coaching the freshmen are Bernie Weiner, Art Kirk and Ken Makalous, all lettermen on last year's Kansas State grid eleven. Freshman football candidates included:

Ends—Norman Anderson, Dodge City; Craig Bachman, Wichita; Charles Cook, Salina; Merlin Dickinson, Ashland; John Hiss, Great Bend; Warren Kerbs, Clafin; Lawrence King, Minneapolis; John Kirk, Bucklin; Wallace McCune, Minneola; Jacob Mosier, Hoxie; Robert Radcliffe, Bogue; John Spratt, Wichita; Warren Thorp, Atchison; Mike Vargon, Kansas City; Thurman Walling, Wichita; Karl Funk, Abilene; John Hudelson, Pomona.

13 OUT FOR TACKLE

Tackles—Lawrence Ade, Belleville; Pat Brandt, Newton; Kenneth Burchman, New York City; Homer Callahan, Trinidad, Colo.; Samuel Claar, Colby; Harold Fenton, Osborne; Don Fitzsimmons, Dodge City; Clifford Hartman, Hoxie; Glen McCormick, Kensington; Robert Mingle, Oakley; Christ Christ, Kansas City; Dick Harbaugh, Great Bend; Robert Neill, Lyndon.

Guards—Leonard Brown, Sharon Springs; John Ceranich, Kansas City; William Gies, Topeka; Robert Green, Columbus; Charles Hall, Springfield, Mass.; James Heter, Sterling; Rodney Newman, Arkansas City; Donald Stegge, Eureka; Dudley Stegge, Eureka; Urbin Luginbille, Topeka; Kenneth Johnson, Manhattan.

Centers—Bill Erickson, Leavenworth; Paul Andree, Bazine; Elmer Botts, Topeka; Donald Burnett, La Cygne; Howard Hamlin, Manhattan; Harold Heller, Hunter; Tom Quinn, Manhattan; Carl Votapka, Jennings.

NUMEROUS BACKS REPORT

Backs—R. D. Allen, Seneca; Robert Berry, Dodge City; Albert Blythe, White City; Paul Boone, Neal; Lauren Brunner, Ramona; B. Bunkers, Dell Rapids, S. C.; John Campbell, Concordia; James Clinger, Augusta; Stanley Crawshaw, Osborne; Bob Curry, Arkansas City; Emanuel Dall, Clafin; Newton Fehr, Kansas City, Mo.; Wendell Johnson, Falun; Francis Kaspar, Wilson; Robert Killough, Ottawa.

Truman Logsdon, Stockdale; Dale Mattson, Assaria; Harry Merriman, Marysville; Dick Peterson, Clearwater; Leon Roembach, Wichita; Bud McLain, Shawnee; John Tomson, Irving; Robert Post, Fowler; Edward Price, Osborne; Mehr Louis Restine, Atchison; Glen Scanlan, Chapman; Keith Seelig, Clifton; Fred Sherlock, St. Francis; John Shupe, Ford; Bill Snodgrass, De Soto; Dale Thompson, Hunter; Rex Welty, Hill City; Leslie Woodruff, Wamego; Guy Young, Westphalia; Howard Ihloff, Jetmore; Pie Mai, Russell; Jay West, Nekomo; John Gotte, Culver; John Hutchison, Summerfield; Bill Easley, Dodge City.

POULTRY MEN TO BE OFFERED MANY EDUCATIONAL SESSIONS

Annual School for Turkey Growers Begins Program on October 16 and 17

With the demand for poultry products greatly expanded, a large number of poultrymen are expected for the full schedule of educational meetings planned on the Kansas State College campus during October, November and December.

The Sixth Annual School for Turkey Growers will be on the campus October 16 and 17; the poultrymen's program includes two other big meetings here the same month. These are the annual meeting of the Kansas Poultry Improvement Association October 30, and the Fifth Annual Kansas Poultry Convention October 31.

For years, poultry specialists have sought a special school for dealers of poultry and other livestock feeds. Such a conference, the first of its type here, will be on the campus December 11 and 12. A. G. Philips, Chicago, a former member of the College staff, is scheduled as the out-of-state speaker on the program.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, October 8, 1941

Number 4

SIX FACULTY MEMBERS TO TALK AT STATE NUTRITION MEETINGS

DEAN MARGARET M. JUSTIN HAS CHARGE OF CONFERENCE

Invitations Have Been Issued 700 Leaders of Representative Organizations Asking Them to Attend Topeka Gathering

The Kansas health situation, how it can be improved, safeguards for the state food supply and what defense means to the homemaker will be discussed by six Kansas State College faculty members appearing on the program of the State Conference on Nutrition In Relation to National Defense October 17 and 18 in Topeka.

Rising food costs, the food demands of the army and the allies, and the high percentage of nutritional defects among young men of army age are arousing people to the importance of a state nutrition program, said Dean Margaret M. Justin, who is arranging the conference.

ISSUE 700 INVITATIONS

Doctor Justin, dean of the Division of Home Economics, and chairman of the State Committee on Nutrition in Relation to National Defense, has issued 700 invitations to leaders of representative organizations in all parts of the state. These include health, educational, social service, civic, rural and professional groups and men and women who are active in civic affairs.

Dr. Russell Wilder, of the Mayo Foundation, will be the keynote speaker as the guest of the Kansas Medical society. Doctor Wilder is chairman of the Committee on Food and Nutrition of the National Research Council.

The two-day meeting will include two symposiums, three workshops and conferences on what can be done to organize communities for nutrition in defense.

DOCTOR GRIMES TO TALK

Dr. W. E. Grimes, head of the Department of Economics and Sociology, will speak at both symposiums, discussing "Economic Factors Affecting Nutrition" and "The Effect of New Demands and Adjustments Necessary."

Miss Georgiana Smurthwaite, of Kansas State College Extension Service, is also speaking twice. Her subjects are "Instruction for Adults" and "The Practical Significance of Defense Demands on the Home-maker."

Dr. Martha Pittman, head of the Department of Food Economics and Nutrition, will discuss the "Adequacy of Education in the Field of Nutrition" and Dr. Katherine Roy, head of the Department of Child Welfare and Euthenics, will speak on "Attitudes and Customs Affecting Nutrition."

INCREASING HOME PRODUCTION

Miss Gertrude Allen, assistant professor of foods and nutrition in the Division of College Extension, will suggest "Possibilities of Increased Home Production" and Mrs. Lucile Rust, professor of Home Economics Education, will report on "Providing for Instruction in Nutrition in High School."

FARM SECURITY OFFICIALS MEET FOR TRAINING SCHOOL

Prof. L. C. Williams of Extension Service in Charge of Program

Farm Security administration district supervisors were on the campus last week for a three-day training school, Thursday through Saturday.

The program announced by Prof. L. C. Williams, assistant director of the College extension service who was in charge of the school, included lectures and tours conducted by members of the College faculty. The tours were directed by Prof. R. I. Throckmorton, head of the Department of Agronomy; Prof. F. W. Atkeson, Department of Dairy Husbandry; Prof. L. F. Payne, head of the Department of Poultry Husbandry, and Dr. A. W. Weber, professor in the Department of Animal Husbandry.

COLLEGE COOPERATES IN RESEARCH TO WORK OUT CHILD MEASUREMENTS

A proposed new basis of selecting children's clothing through hip and height measurements rather than by age is due partially to the co-operation of Miss Alpha Latzke, head of the Department of Clothing and Textiles, who directed the measuring of 8,000 Kansas boys and girls.

Heeding mothers' protests that some retailers carry as many as eight size number eights, the Bureau of Home Economics, the United States Department of Agriculture and the National Consumer-Retail council decided that the old size method was outmoded.

They asked 16 states and the District of Columbia to make a survey. For three years, they measured boys and girls, age 4 to 17. With 35 measurements each, they finally tabulated more than 5,000,000 body measurements and 147,088 children.

In Kansas, the College trained specialists got out their tape-measures and went to work. In Manhattan, Junction City, Wichita, Kansas City, Ogden and Topeka, they checked "Skinny" and "Shorty" and "Fatty" and all the others until they found that of all size measurements for clothes that of age alone was the poorest.

The resulting recommendation was that because children of the same age are different in size and body build that clothes be designated by height and hip measurements. This is now being considered by the American Standards association, composed of manufacturers and designers.

11 HOMECOMING QUEEN CANDIDATES ARE NOMINATED TO REIGN AT GAME

Winner Will Be Selected at Ball In Avalon Sponsored by Blue Key on October 24

Queen of Kansas State College's Homecoming November 1 will be chosen by dancers at the annual Homecoming ball, sponsored by Blue Key, senior men's honorary society, October 24 in the Avalon ballroom.

Candidates for Homecoming queen are:

Jean Marie Garrison, Emporia, Alpha Delta Pi; Frances Walls, El Dorado, Alpha Xi Delta; Barbara Sperry, Overland Park, Chi Omega; Ocie Alice Taylor, Tribune, Clovia; Janet Austen, Topeka, Delta Delta Delta; Marjorie Gould, Manhattan, Kappa Delta; Betty Glidden, Osborne, Kappa Kappa Gamma; Audrey Durland, Manhattan, Pi Beta Phi; Betty Lou Welsh, Kansas City, Mo., Zeta Tau Alpha; Mina Pressgrove, Tecumseh, Independent Student Union; and Mary Cawood, Wetmore, Van Zile Hall.

Matt Betton and his orchestra will furnish the music for the semi-formal dance. The candidate receiving the most votes at the ball will be presented by Robert Lank, Kansas City, president of Blue Key, between halves of the Nebraska-Kansas State football game November 1.

ROYAL PURPLE BEAUTY BALL QUEEN WILL BE CHOSEN FROM 21 STUDENTS

Candidates Nominated by Nine Sororities and Van Zile Hall Will Reign on November 10

Twenty-one candidates for the Royal Purple beauty queen were announced last week. The queen and her attendants will be chosen by the leader of an, as yet, unselected "name band" which will play at the Royal Purple Beauty Ball November 10.

The band leader, who will have assistant judges in the contest, will present the queen and attendants at the ball. Formerly a popular movie actor chose the queen and the year-book editor presented her.

Each of the nine Kansas State sororities nominated two candidates and Van Zile hall three. Nominees include:

Margaret McNeal, Edna, Betty Lou Welsh, Kansas City, Mo., Zeta Tau Alpha; Marjorie Simmons, Barnard, Roberta Slater, Saffordville, Clovia; Fay Elmore, McCracken, Elmwood Persons, El Dorado, Chi Omega; Roberta Townley, Abilene, Cecile Rexroad, Hutchinson, Pi Beta Phi; Mary Gallaher, Graham, Texas, Christine Maddox, Abilene, Kappa Kappa Gamma.

Arlene Shoemaker, Kansas City, Mo., Evelyn Stockwell, Hutchinson, Delta Delta Delta; Marilyn Woods, Clearwater, Gloria Gish, El Dorado, Alpha Delta Pi; Jean Fee, Cunningham, Alice Gillespie, Junction City, Alpha Xi Delta; Margaret McCutchan, Lost Springs, Beth Sirridge, Topeka, Kappa Delta; Marjorie Holm, Dwight, Mary Topping, Lawrence, Caroline Kiser, Clayton, N. M., Van Zile hall.

Offer Reporting Prize

All students enrolled in courses offered by the Department of Industrial Journalism and Printing may compete for a \$5 first prize in reporting contest. Material must have been published between September 1 and February 1, 1942. Stories will be judged on news presentation, timeliness, effectiveness, completeness, originality in treatment, accuracy, color and readability.

FACULTY APPROVES AERONAUTIC WORK AS MECHANICAL ENGINEERING OPTION

Recommendations are Voted by Professors at Meeting Tuesday Afternoon

The College's general faculty approved an aeronautic option in the curriculum in mechanical engineering at its meeting Tuesday afternoon. The new work marks the first time that the College has offered an option in aeronautical engineering, courses only being offered previously.

The power option in the mechanical engineering curriculum was dropped and a technical opinion added. Numerous changes in the industrial and petroleum options of the same curriculum were approved by the general faculty.

In the Division of Agriculture, the curriculum in specialized horticulture was dropped and in its place will be two others: one in landscape design and the other in floriculture and ornamental horticulture.

Two changes were made in curriculum names of the Division of Home Economics. The curriculum in home economics with special training in art now becomes the curriculum in home economics and art and the curriculum in home economics with special training in institutional management and dietetics will be known as the curriculum in dietetics and institutional management.

Numerous changes in course requirements in the curriculums in industrial chemistry, industrial journalism and printing and business administration with special training in accounting were approved by the faculty.

With a few exceptions, the changes become effective with the school year starting next September.

Two More Win Fresh Honors

Ann Elizabeth Dueser, Chase, enrolled in General Science, and Frank David Werner, Junction City, enrolled in electrical engineering, have been added to the list of those students winning freshman recognition for their work last year. Prof. M. W. Furr said that their names were left off the previously announced list because the students' records were not complete when the initial tabulation was made.

LOANS TO STUDENTS FROM ALL FUNDS TOTAL \$502,122, TREASURER REPORTS

Loans made to Kansas State College students from all loan funds reached the impressive mark of \$502,122 on June 30 of this year, according to Dr. W. E. Grimes, treasurer of the fund.

Since 1915, when Pres. Henry Jackson Waters established the first student loan fund, aid in the form of loans has been extended to 3,973 students.

The average student loan over the period from 1915 to 1941 was approximately \$125, Doctor Grimes said. Only a very small part of the accounts have been written off as uncollectable, he said.

A check-up June 30 of this year showed that 526 students received loans during the 1940-41 year. As of the same date, 789 persons owed loans totaling \$97,845.28. The total funds available amounted to \$134,319.41.

Loans are made in units of \$50 or less, with a separate note for each unit, and with interest at six per cent until due and if the loans are extended, the interest rate increases to eight per cent.

Doctor Grimes said that the amount loaned to students at the beginning of this semester was less than was loaned in other years. This was due in part to the decrease in emergency or short time loans, he said. Fewer students seem to have gotten into financial straits at registration time this fall.

Kenney Ford, College Alumni Association secretary, added that, as a whole, students seem to have more money for school this year than in the past few years.

Short time loans are usually for small amounts, and those accepted during the registration period this fall must be repaid by November 1. Regular loans are made only to junior, senior and graduate students and are to be repaid within one year after graduation.

The present loan service is made up of the following loan funds: Waters, Curtice, Social Club, Daughters of the American Revolution, Franklin, Housemothers, Women's Club, Hamilton, Harbord, Lockhart, Emergency and Alumni.

FALL ENROLLMENT FIGURE

OFFICIALLY SET AT 3,769

DECREASE OF 7.85 PER CENT FROM LAST YEAR

Division of Engineering and Architecture Is First with 1,053 While General Science Is Next with 1,046 Students

Enrollment at Kansas State College as of September 30, the date upon which the official summary is made each fall, was 3,769. Miss Jessie McDowell Machir, registrar, disclosed when she released a complete and detailed tabulation of the registration data.

The total represented a 7.85 per cent decrease as compared with last fall's all-time high of 4,090. The enrollment drop has been attributed generally to the selective service program and to national defense jobs which have induced young men to cut short or suspend their educations.

MEN OUTNUMBER WOMEN

Men outnumber women on the rolls 2,568 to 1,201, or more than 2 to 1. However, the proportion of women to men increased slightly this year; the women constituting 31.9 per cent of the total this fall, as against some 29.9 per cent of the total last fall.

One woman student was enrolled in the Division of Veterinary Medicine and five in the Division of Engineering and Architecture, the latter including one chemical engineer. No men were enrolled in the Division of Home Economics.

Divisional totals are: Agriculture, 638; Veterinary Medicine, 218; Home Economics, 831; General Science, 1,046; Engineering, 1,053; Graduate Study, 138. Because of dual assignments, these figures do not tally exactly with the total enrollment figure.

FRESHMEN NUMBER 1,312

The registrar's analysis showed 1,312 freshmen, 958 men and 354 women; 956 sophomores, 636 men and 320 women; 754 juniors, 474 men and 280 women; and 613 seniors, 403 men and 210 women. The report lists ten special students, half of whom are women.

The totals by curricula in each division:

Division of Agriculture—agriculture, 400; agricultural administration, 145; dairy husbandry, 1; milling industry, 66; special horticulture, 26.

Division of Engineering and Architecture—engineering, 21; agricultural engineering, 54; architecture, 27; architectural engineering, 42; chemical engineering, 193; civil engineering, 124; electrical engineering, 198; industrial arts, 11; mechanical engineering, 383.

VETS LIST 218

Division of General Science—pre-veterinary, 75; general science, 398; industrial journalism and printing, 150; business administration and accounting, 57; physical education, 85; industrial chemistry, 49; music, 38.

Division of Home Economics—home economics, 548; home economics and art, 59; institutional management and dietetics, 162; home economics and nursing, 62.

Division of Veterinary Medicine—veterinary medicine, 218.

Pledge Four Journalists

Theta Sigma Phi, honorary and professional fraternity for women in journalism, pledged four new members last week at the home of Miss Jane Rockwell, instructor in the Department of Industrial Journalism and Printing and Theta Sigma Phi sponsor. Steel pen points and ribbons were pinned on Mary Margaret Arnold, Manhattan; Grace Christiansen, Columbus; Margaret Mack, Manhattan, and Margaret Wunsch, Topeka.

Teaches at Wisconsin

Bob Chapman, G. S. '41, has a graduate teaching assistantship at the University of Wisconsin. He is working towards a master's degree in zoology.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY Editor
HILLIER KREIGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni Association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, OCTOBER 8, 1941

CONVERSATION FOR LIGHT

A recent report from the Bureau of the Census reveals a large gain in the past 10 years in the number of farms in the United States having electric lights and a marked decline in the number having telephones. Farms having electric lights increased 136 per cent to more than two millions. In the same decade the number of farm telephones declined about 30 per cent to a total of 1,527,000.

A similar change occurred in Kansas, where farms with electric lights doubled in number, the 1940 total being 41,000, of which 28,000 receive their current from power lines, the others being lighted by home generating plants. The number of Kansas farms having telephones declined about one-third to a total of about 80,000.

It may be that the effect of the motor car in reducing isolation has influenced many farm families to dispense with their party-line telephones so as to be better able to afford electric light. Possibly the desire for sound by radio, through the use of electricity, overcame in many families the desire for sound by wire. There doubtless are other factors also. In any case there has been a vast exchange of telephone conversation for light in the rural districts. In a world in which there is a plethora of talking and a deficiency of light, the exchange may well be an element of progress.

It is no disparagement of the usefulness of the telephone to say that light is sometimes even more important. The census figures reveal a phenomenon that may have great social significance in the American countryside.

COSTS OF DROUGHT

During the eight years from 1933 to 1941, the Works Progress administration and its predecessors expended more than a billion dollars of federal funds in the six states of the great plains drought area—North and South Dakota, Nebraska, Kansas, Oklahoma, and Texas. In this same period North Dakota's allotments were slightly more than 100 million dollars. Incidentally, they were 15 percent higher than the state's quota.

You are perhaps more familiar than I am with what relief has cost your local and state governments. I note that from 1936 to 1939, the expenditures for relief of state, local and county funds totalled \$23,111,346. There is no doubt that the load was too great for North Dakota and other individual states to handle.

But the drain on the United States Treasury did not stop with the great plains. The far western states, unable to provide employment for newcomers from the eastward, also turned to the federal government. In those same fateful eight years more than one and three quarter billion dollars were spent for federal relief in the 11 far western states.

This total western expenditure of two billion, 800 million dollars can be contrasted with the total cost of the Federal Reclamation program, including expenditures since 1902 and outlays now definitely planned. The entire amount involved in this 40-odd year program is just about half this federal relief burden.

As in its early days of the present

century, the Bureau of Reclamation today still stands ready to aid the great plains and the West in meeting the problems incident to the drought and the maintenance of its population.—John C. Page, commissioner of the Bureau of Reclamation, in paper for first annual convention of North Dakota Reclamation association, September 22, 1941.

AGRICULTURAL RESEARCH

Agricultural research in the direction of augmenting crop yields by means of chemical fertilizers and irrigating may be, in large part, misdirected, if recent experiments by Prof. Glen Wakeham of the University of Colorado mean what they appear to mean.

Professor Wakeham has discovered that although peas and beans grow in optimum soil conditions with artificial stimulation give far more abundant crops, the same seeds sown in arid upland soils without fertilizer or irrigation yield a product considerably richer in mineral content and hence more nutritive.

He warns us that his experiments, made on a limited scale, are not conclusive, but suggests that here is an interesting field for scientific investigation.

The United States government and the various agricultural states spend many millions annually to increase the yield of crops and then, as Professor Wakeham points out, they spend more millions to discover ways of disposing of the surplus thus created. It is possible that this vicious circle might be broken by switching the emphasis from quantity to quality.

The same shift in emphasis might also be of benefit to public health, for such deficiency diseases as rickets, anemia, dental decay and goiter are in the main traceable to a lack of minerals in the diet. Spinach, for example, is valuable for the iron it contains, but some spinach is seven times richer in iron than other spinach. There is no use forcing children to eat it unless we are sure it is the genuine "Popeye" variety.—From the New York Sun.

CHRISTIANITY AND DEMOCRACY

It may be that the democratic way will not overcome the totalitarian way until and unless the democracies somehow crusade under the banner of the church.

How can we defeat the destructive dynamics of Nazism and Communism unless we employ the constructive dynamics of the spirit?

"To love God," says one minister, "is to believe, despite every appearance to the contrary, that slavery, war and crippling poverty can be banished from the earth, and that conditions favorable to the highest development of the human spirit can be created."

That is extraordinarily practical Christianity. In fact, I cannot distinguish it from the democratic ideal in action.—Roger William Riis, former associate editor of Collier's, in the American Mercury.

TO DESERVE OUR LIBERTIES

Our civil liberties must never be abridged to deny us the equal protection of the law, liberty to worship God freely as conscience dictates, the right to fair trial, against which no writ can ever run, and that form of life in which men are not slaves to a State but where the State is the servant of mankind, where the dignity of the human spirit shall be preserved as the most priceless attribute with which God has invested mankind. To deserve these blessings, we must be vigilant in their protection.—Joseph E. Davies, special assistant to the Secretary of State, in speech at the University of Wisconsin.

RELIGIOUS LIBERTY

Religious liberty is the primary source of our civil liberties, and of all our freedom—free speech, free press and radio, freedom of assembly, and the right of petition.

When we explore the history of our institutions we come very soon to the matter of religious belief.

It was because religion had given the common people a new importance, a new glory, a new driving force, that they demanded a new freedom and a new government.—Dr. Robert Gordon Sproul, President of the University of California, at the Biennial Council of Congregational and Christian Churches.

SCIENCE TODAY

BY F. E. NELSON

Assistant Professor, Department of Bacteriology

One of the major problems in the butter-producing areas of the Middle West and the South is the prevention of undesirable changes caused in cream by the growth of some types of bacteria, yeasts and molds.

Where deliveries to the cream buyer or the creamery can be made every day or two, or where conditions are such that the cream may be held at temperatures of 50° F. or lower, these undesirable changes are minimized. Unfortunately neither of these procedures is practical for many of the farmers producing the cream used for buttermaking. The result is that much of the cream marketed during the summer months in particular has undergone some degree of undesirable change by microorganisms and thus does not command the highest possible price on the market.

The situation is rather similar to that which sometimes occurs with wheat which, because of lack of proper storage conditions, has been permitted to get wet and partially spoil and thus has to be sold at a lower price. Any inexpensive means of minimizing the undesirable changes which frequently occur in cream held on the farm would be of considerable benefit to the dairy industry.

Several years ago a public-service patent on the use of salt for improving the keeping quality of cream was taken out. While the specific application was new, the basic principle has been known for a long time. Salt has been used for centuries as a means of retarding decomposition of food. Salt-preserved fish was one of the early items of commerce. Salting of meats, particularly pork in the form of ham, bacon and fat pork, has been employed for many years to retard spoilage which otherwise would occur rapidly. Sauerkraut, pickles, olives and some types of cheese are other foods which owe a portion of their keeping quality to their salt content.

Workers of the Kansas Agricultural Experiment station have been studying the applicability of salt for improving the quality of cream for butter-making produced under Kansas conditions. The results obtained have been most promising. By adding approximately seven per cent of ordinary cooking salt to cream containing 30 per cent butterfat, cream

THAT ALIEN "BOGEY"

With the results of the registration of aliens last fall on hand, the Department of Justice announced recently that there were fewer than 4,750,000 aliens in the United States (compared to 6,284,613 in 1930), and of that number 1,755,000 (37 per cent) have applied for or taken out first or second citizenship papers.—From Time.

REPORTING THE FUTURE

Significant news is not what is happening all over the world but what is happening within a few square city blocks of the world's surface. Vital news is not what has happened; such news is water over the dam, beyond control. Vital news is what is going to happen.—Ferdinand Lundberg in Harper's Magazine.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Prof. H. E. Wickers of the Department of Architecture returned from Washington, D. C., where he had attended a conference on domestic architecture called by Pres. Herbert Hoover.

Gladys Hartley, '22 and '27, was assistant professor of foods at the University of Arizona. She was awarded the doctor of philosophy degree at Columbia university in the spring and taught summer school there.

Prof. G. A. Dean of the Department of Entomology attended a national cornborer conference at Toledo, Ohio. Professor Dean was appointed chairman of the conference, representing the American Association of Economic Entomologists.

TWENTY YEARS AGO

Harry Bates, '11, was athletic di-

usually can be kept from even beginning to sour for five days if kept in a reasonably cool place.

Under less favorable holding conditions, such as 10 days at 82° F., the salt usually will keep the cream from falling below first grade. Unsalted cream held under similar unfavorable conditions nearly always is at least as poor as second grade and frequently is even unlawful or third grade. Butter made from salted cream held 7 to 10 days usually grades two to three points higher than does butter made from the same lot of cream held without salt. Improvement in quality of these magnitudes would mean an average increase in return to the farmer of two to three cents a pound of butterfat under present market conditions.

Several factors prevent the immediate widespread use of salt in cream. The Food and Drug administration does not favor the use of salt for this purpose, although its use with certain other foods has been permitted ever since regulatory action began.

This attitude would mean that cream to which salt had been added would be subject to seizure if it was shipped in interstate commerce. The problem of disposal of the buttermilk by the creamery would be difficult. Under present conditions much of the buttermilk is used as stock feed, while some is condensed or dried. The buttermilk from cream to which seven per cent salt had been added would contain so much salt that it would not be eaten by livestock and could not be used for manufacturing condensed or dried buttermilk. Waste buttermilk puts such a heavy load on sewage disposal systems that other means of disposal usually must be found, and added salt would only complicate the problem. Until a satisfactory means of disposal for the buttermilk from cream containing salt is found, creamerymen will be slow to accept salted cream.

The situation with respect to improving the keeping quality of cream by the addition of salt can be summarized by the statement that a definite improvement in the quality of the resulting butter does occur under Kansas conditions when seven per cent salt is added to cream containing thirty per cent butterfat. The method will not be practical for general farm use until the attitude of regulatory officials has been changed and until means of disposing of the buttermilk are developed.

rector of the Apprentice school, Puget Sound Navy yard.

Prof. L. E. Conrad, head of the Department of Civil Engineering, was elected first president of the Kansas section of the American Society of Civil Engineers.

H. B. Dudley, '20, who was engaged in the banking and bonding business in Kansas City, Mo., for more than a year after his graduation, was vice-president of the Russell Electric Car company of Kansas City, one of the largest distributors of electric cars in the country.

THIRTY YEARS AGO

Gene Blair, '10, was a scientific assistant in pomology in the government service at San Antonio, Texas.

Miss Clara Pancake, '03, was in charge of domestic science and domestic art at the Colorado State Preparatory school at Boulder.

Prof. M. F. Ahearn accompanied five of the senior students in horticulture on an apple-judging trip to Kansas City while the Missouri Valley Fair and Exposition was being held there.

FORTY YEARS AGO

President Nichols returned from Chicago, where he had been on College business.

Professor Walters attended a farmers' institute at Hiawatha and spoke at a teachers' convention there.

William Cody, alias "Buffalo Bill," visited the College. He was on his way to Oklahoma, from Lincoln, Neb., where he had been to make arrangements for the sale of his book, an autobiography of his life.

FIFTY YEARS AGO

Abbie L. Marlatt, '88, was professor of domestic economy in the Utah

Agricultural college.

Among the many College people attending the Kansas City Exposition were Secretary and Mrs. Graham and Professor and Mrs. Georgeson.

K. C. Davis, '91, resigned his position as teacher in the Indian school at Hoyt, Jackson county, and entered the State Normal school for special study.

SIXTY YEARS AGO
Noble A. Richardson, '80, was principal of the Elk Falls schools.

A. A. Stewart, superintendent of the printing department for 8 years, resigned to become foreman in the job department of the Capital Company of Topeka.

At the meeting of the Alpha Beta Society the debate was conducted by E. M. Hutto and J. T. Willard on the affirmative, and E. H. Kern and J. Copley on the negative. The question was, "Resolved, That the steam engine is a more important invention than the printing press."

KANSAS POETRY

Robert Conover, Editor

INDEBTED

By Myra Perrings

For you who bring the wine
And share the wheaten bread,
Who quench my body's thirst
And see my hunger fed;
For you I have a coin
To pay what is your due,
And for your every gift
I give one back to you.

But nothing can I give,
No coin sufficient find
For you who bring a crumb
To feed my hungry mind.

Myra Perrings, Topeka, has had poetry published in numerous magazines, newspapers and anthologies, including The Kansas Magazine. Her most reprinted poem (of more than 300 published poems in her 12 years of writing) is "Walk Softly," which has been set to music by Marian Ryan, Chicago.

SUNFLOWERS

By H. W. Davis

FOR THIS RELIEF, MUCH THANKS!
Thanks somehow for the Louis-Nova fight, the World's Series, and the opening of the football season.

But why?

Because they sort of got us back to a kind of reporting we had almost forgotten about—an on-the-spot, all-out reporting—uncensored, unpropagandized.

It is good to see headlines and read stories that tell you what the score is and who starred and for what. It is good to hear a sportscaster call a haymaker a haymaker, a jab a jab, a tap a tap. It is good to hear him grow instantaneously optimistic when the fullback finds a hole in the line, and then slink sullen and disappointed when the secondary defense surges in and holds him to a magnificent gain of a yard and a foot.

It's tricky at times, but easier and pleasanter to follow than a heavily-loaded, slow-moving sentence beginning, "According to reports from a usually reliable but unofficial source in London (or Rome or Berlin, or Ankara) the forces of General Hoositsky are being secretly withdrawn to a position more favorable to the kind of warfare etc., etc., etc.

Poor foreign correspondents at home and abroad! They can report only lies, or truths so frazzled the enemy has forgotten about them. Their beats are official sanctums, propaganda headquarters, officers with facts to conceal and fictions to peddle. No wonder war reporters have to use so many cover-all, revealing words. No wonder they have us dizzy, dubious, insane, trying to pick out a path for our minds through the maze of guess, opinion, and rumor.

Yes, they have no foul-proof booths just above and to the rear of home plate. They can't tell whether the pitch is outside, inside, or squarely over the middle just above the knees. The pitches they have to call are all phoney before they leave the hurlers' hands. The home plate is obscured in fog and dust.

Such is war. General Sherman's vocabulary was not sufficient. He didn't know about the reporting we customers were going to have to take after radio and its short waves got going.

AMONG THE ALUMNI

Royal S. Kellogg, B. S. '96, M. S. '99, recently sent a pamphlet entitled "The Newspaper of the Future" to the Alumni Office. This was an address given by Mr. Kellogg at the summer meeting of the technical section of the Canadian Pulp and Paper association in Montebello, Quebec, June 19. Mr. Kellogg is secretary-treasurer of the News Print Service bureau in New York City. Mr. and Mrs. Kellogg and his sister, Ruth Kellogg, D. S. '10, live at Lilacstead, Wilton, Conn.

Orrin P. Drake, M. E. '03, and Harriett (Harter) Drake, f. s. '02, live at 1170 Montana avenue, S. W., Huron, S. D. They have five children, the youngest girl is now a student at South Dakota State college. Mr. Drake is agricultural engineer with the Soil Conservation service at Huron.

Thomas E. Dial, E. E. '04, is in charge of sales to the paper industry, foreign and domestic, for Socony-Vacuum Oil company, Inc. The Dials live at 49 Essex avenue, Montclair, N. Y., and have three sons. Tom, Jr., is a lawyer; Charles has his A. B. from Georgetown, and Bill, 17, is in preparatory school.

James R. Coxen, E. E. '07, has recently been promoted to the position of consultant in public-service training. He has been in federal service since 1929 when he was appointed agent for trade and industrial education in the Federal Board for Vocational Education. He has taught in trade and industrial education in the schools of Pennsylvania, Indiana, New Mexico and Texas. He also conducted courses in the administration and supervision of trade and industrial education in the University of Wyoming, the University of Hawaii, Colorado State college and the University of Arizona.

Before his service with the federal government, Mr. Coxen was for seven years state director of vocational education in Wyoming, where he organized the federally aided vocational education program authorized under the Smith-Hughes Act; and for 4 years territorial director of vocational education in Hawaii. In his consulting position, Mr. Coxen will plan, organize, and conduct studies and investigations in the field of public-service training. He will be available to vocational educators in the states, to colleges and universities.

John E. Martin, '09, is superintendent of schools, assistant in the Department of Education at South Dakota State college. He is past district governor of Rotary International 119. He and Ruth (Rankin) Martin live at 316 Medary avenue, Brookings, S. D. Their children are John E., Jr., 26, and Ruth Carol, 19.

Rena A. Faubion, H. E. '10, has a tearoom in San Diego, Calif. Her address there is 406 Maple street.

David G. Brandt, E. E. '12, is in the research division of Cities Service Oil company, New York, New York. His home is at 615 Coleman place, Westfield, N. J.

Harry E. Dodge, Ag. '13, is secretary-treasurer of the State Dairy association and a member of the State Board of Agriculture. He and Elsie (Elder) Dodge, f. s., live at 1511 Mulvane, Topeka. They have five children—Mary Louise, 22, Ruth, 20, Douglas, 19, Virginia, 14, and William, 12. One of the men who work under Mr. Dodge is A. A. Dawley, '95, Manhattan.

Thomas J. Harris, B. S. '14, visited the campus in September, calling at the Alumni office to leave the news that he is still with the J. R. Hamilton Advertising agency, Chicago, as vice-president. His home is at 2728 Central Park, Evanston, Ill.

O. W. F. Paulsen, D. V. M. '18, is a chiropractor with his office in the Farmers State Bank building, Aurora, Neb.

Howard A. O'Brien, D. V. M. '19, and Annette (Perry) O'Brien, '16, live at 79 Chestnut street, Maplewood, N. J. Mr. O'Brien is supervisor of the group division, Metropolitan Life Insurance company, New York.

A recent letter from Mary Jane Hill, H. E. '20, says "I am writing to have my address changed from Marysville to the Army and Navy General hospital, Hot Springs, Ark.

I reported for duty here as staff dietitian July 1. This is a very pretty place and an interesting country.

Susie Unruh, G. S. '22, wrote to Miss Jessie McD. Machir "You might like a word concerning my work since graduating in 1922. The first two years I taught in the Dodge City high school, and the other years I have been in Kansas City, Kan. First I was in the Northwest Junior high and for the past year and next year in the Argentine high school. I received my M. A. degree from Columbia university, New York City, in the summer of 1940.

"I very much appreciated my copy of Doctor Willard's History of Kansas State College. I enjoy reading THE INDUSTRIALIST.

"I presume that next spring there will be a 20-year reunion (doesn't seem possible) for my class. I certainly intend to be there and hope there will be many others."

Renna (Rosenthal) Hunter, H. E. '23, is supervisor of the Build Kansas Program with the Kansas Industrial Development commission. She lives at 1231 Clay, Topeka, and has two children—Jancy, 9, and Jeane, 7.

H. D. Karns, Ag. '24, M. S. '33, and Mrs. Karns, Bruce, 11, and Carol, 3, moved to Junction City this summer. Mr. Karns is principal of the Junior-Senior high school there.

Bernard C. Harter, I. J. '25, is sports editor of the Washington Times-Herald. He is married and has one daughter Barbara, 10. Their home is at 5010 Reno road, N. W., Washington, D. C.

J. W. Ballard, C. E. '26, called at the Alumni office last month while in Manhattan with his daughter, Iva Lee, a sophomore at Kansas State. He is engineer secretary of the Kansas Contractors association, Topeka. The Ballards live at 3627 Yorkway, Topeka. Besides Iva Lee, they have a son, William Duane, 11.

M. M. Labib, f. s. '27, is with the Egyptian consulate, 500 Fifth avenue, New York, N. Y.

Paul E. Pfuetze, G. S. '28, was given a degree of bachelor of divinity magna cum laude from the Yale Divinity school, New Haven, Conn. The Julia A. Archibald prize, for the member of the graduating class who ranks highest in scholarship, was awarded to him. The 73 candidates for degrees this year represented 14 denominations and came from 24 states, four foreign countries, and 70 different colleges and universities.

Mary Florence (Hooper) Wilson, H. E. '29, is teaching first grade in Porterville elementary schools, Porterville, Calif. Her address is 1009 E. Mill street, Porterville.

Raymond D. Johnson, f. s. '30, has accepted the position of sales manager of the McMillan Motor company, Newton, and has left his position with Brewer Motor company in Manhattan. He was formerly president of the Manhattan Junior Chamber of Commerce.

Amelia (Frohn) Larkin, H. E. '31, is home management supervisor for the Farm Security administration, White City.

Clarence R. Collins, G. S. '32, M. S. '33, represented North and South Dakota, Nebraska and Kansas at the National Farm Security administration conference in Washington, D. C., early in September. Mr. Collins and Evelyn (Nuzman) Collins, '33, live in Norton where Mr. Collins is farm security supervisor of Norton county.

Seward E. Horner, G. S. '33, is chief geologist for the Kansas State Highway commission, Topeka.

O. H. Douglas, M. E. '34, writes, "My address is D-1000 Wilson Point road, Middle River, Md. Position is in stress analysis for mechanical design department, Glen L. Martin company, Middle River. Mrs. Douglas was formerly Mary Lee Bell. We have a son, Donald Robert, born May 27."

Lawrence A. Platt, M. E. '38, is tool engineer in Nashville, Tenn. His address in Nashville is Route 1.

Francis A. Caspar, D. V. M. '39, is with the bureau of animal industry at 1001 River cove, Sulphur Springs, Tampa, Fla.

Guy Roger Spencer, D. V. M. '40, is a student in the University of Wisconsin. He is doing research work in mastitis. His address is 220 N. Orchard street, Madison, Wis.

Harry B. Olson, M. S. '41, is superintendent of schools at Cuba.

LOOKING AROUND KENNEY L. FORD

Homecoming Celebration

Clovia sorority has planned a celebration during Homecoming for the tenth anniversary of its founding. All members, housemothers and chaperones are being invited.

New Jersey Picnic

Kansas Staters had a picnic at Echo Lake Park, Westfield, N. J., July 23. It was attended by the following:

W. S. Magill, '23, Fanwood, N. J.; H. C. Paulsen, '27, Elizabeth, N. J.; Howard A. O'Brien, '19, and Annette (Perry) O'Brien, '16, Maplewood, N. J.; Nellie (Darragh) Kerr, '30, Roselle, N. J.; Ralph W. Sherman, '24, Bloomfield, N. J.; W. E. Deal, '16, and Mary (Nicolay) Deal, f. s. '17, D. C. Tate, '16, and Edith (Findley) Tate, '18, Frances (Hildebrand) Fell, '17, John Sellon, '17, and Margaret (King) Sellon, '18, and Lillie P. Brandy, '27, all of Westfield.

Kenney L. Ford, alumni secretary, Manhattan, was also present.

Writes from India

Gopel S. Rathore, D. V. M. '36, village Gedha, Besroli, Jodhpur State, India, Asia, writes:

"When I came back from England, I stayed at Jodhpur a few days and then I got appointed as chief veterinary officer in Alwar state from August 10, 1940, and since then I am working as an officer. I have 13 veterinary hospitals under me and one cattle breeding farm. I have three officers working under me, 11 veterinarians, and four clerks. Every animal of the public is treated free of charge. But in comparison with America the lowest pay in department for sweepers is only \$2 a month, and I, being head of the department, get about \$100 a month, which makes me very high officer of this state. I have been given free bungalow with huge garden and a car allowance.

"Maharaja of this place is young man of 26 or 27 and has four children. The state has a population about 1,000,000 people and income of the state is 4,000,000 rupees. The state maintains free medical hospitals—free schools and one college of literature. Sometimes (such as birthday of the maharaja) they hold darbars (court gatherings when all the officers have to go in prescribed dress and I too.) We all bow to maharaja at our turns and then present him with two rupees which he takes; after finishing that all officers sit down and then starts some poetry reading and music; the dancing girls come and sing and dance—of course to a foreigner it seems as funny and to me also funny, but it is enjoyable gathering.

"The administration of the state is under the maharaja and he is the sole authority, but to assist him there is a council of eight members which is presided by maharaja himself. These members are called ministers and one of them is chief minister—he is the man next to Maharaja. We are the man next to Maharaja. We send our heads of departments to minister concerned and then they take them to the Council. Laws are also formed in this Council.

"The farmers of this particular state are very carefree, although they are poor. They work hard in the hot sun and almost all are black in color. They have all the usual castes and creeds in India. There are many festivals when public are gathered and enjoy according to the festival time.

"There are no cinemas here—they had three in Alwar City but all gone broke and hence, no cinemas. Delhi is only 90 miles and whenever I happen to go to Delhi I visit cinemas, as many as I could see in a day. Here I cannot go for shopping but have to get everything through servants. I have six servants out of which three are paid by state and three for me.

"Will you kindly tell my best regards to Solts, Miss Machir, Miss Melton, Doctor Willard, and others who remember me?"

MARRIAGES

WOLF—BEICHLEY

Lavone Wolf and Maurice Beichley, B. A. '41, were married May 28. They are at Wilkinsburg, Pa., where Mr. Beichley is employed by the Westinghouse Electric company.

ROGLIN—SHERAR

Gladys Katherine Roglin and Wil-

lard J. Sherar, P. E. '37, were married July 27. The couple live at Corning where Mr. Sherar is coach in the public schools.

MALIK—LEONHARD

Sylvia Alice Malik and Arthur F. Leonhard, Ag. '39, were married August 16. Mr. Leonhard, a member of Farm House fraternity, is county agent in Coffey county. They are in Burlington.

ADAMS—MEINECKE

Myrna Madge Adams, Manhattan, and Willard H. Meinecke, M. I. '41, were married June 28. On the same day they left for their home at 718 Northwest Eighth street, Oklahoma City. Mr. Meinecke has a position with General Mills, Inc.

HALLER—JEHLIK

The marriage of Ethel Haller, H. E. '41, to Duane Jehlik, E. E. '40, took place July 5. Mr. Jehlik was called for military service last March and is now stationed at Camp Gamby, Seaview, Wash. They are at home at Grandview Lodge, Seaview.

PENCE—SHIPMAN

Sarah Ann Pence, H. E. '39, and Earl Shipman were married June 10. They are living at Hoyt where Mr. Shipman teaches. Mrs. Shipman formerly taught vocational homemaking at Highland Park high school in Topeka.

GRANDFIELD—MANUEL

The Rev. B. A. Rogers pronounced the vows for Alice Grandfield, f. s. '41, and Milton Manuel, Ag. '41, May 26, at the bride's home in Manhattan. Mr. Manuel, a second lieutenant, is at Ft. Sam Houston, Texas. They make their home in Apt. 6, 200 E. Dewey, San Antonio, Texas.

TOBUREN—HAMPL

Katherine Toburen and Elmer Hampl, G. S. '38, were married June 9 at Manhattan. Mr. Hampl has been manual training teacher and athletic coach at the Cleburne high school the past two years and has been re-employed to teach the coming year. They are now at home in Cleburne.

KISTLER—BEACH

June 1 was the wedding date of Marianna Kistler, I. J. '41, and Ross Beach, G. S. '40. The bride was graduated with high honors last spring. She is a member of Pi Beta Phi, Phi Kappa Phi, Mortar Board, and was a Royal Purple Beauty Queen her sophomore year. Mr. Beach, a member of Beta Theta Pi, now works with his father in the Kansas Natural Gas and Producers' Gas company in Hays. Their home is at 209 West Twenty-First street, Hays.

MCVAY—POOLE

The marriage of Lois M. McVay and John G. Poole, Ag. '41, was June 1. The bride attended Kansas State College three years and is a member of Clovia sorority and Enchiladas, honorary dancing fraternity. Mr. Poole, a member of Acacia social fraternity, Pax and Block and Bridle, won outstanding recognition in the civil pilot training at the College. They went to Mexico on a honeymoon and are now at home south of Manhattan.

GOBLE—PARKER

The wedding ceremony of Margaret Jane Goble, I. J. '41, and John Marchbank Parker, G. S. '41, was solemnized at St. Paul's Episcopal church in Manhattan July 18. Mrs. Parker attended Stephens college in Columbia, Mo., for one year. She is a member of Chi Omega, social sorority, and of the American College Quill club. Mr. Parker is a member of Sigma Alpha Epsilon, Scarab, Dynamis, Blue Key and the American College Quill club. He is now employed as geologist for the Kansas State Highway department. They are at Liberal.

CORMANY—BRANNIFF

Mary Ellen Cormany, G. S. '25, and Capt. Earl C. Branniff of the United States army were married August 2. After her graduation from Kansas State College, Mrs. Branniff taught in Junction City high school and did graduate work at the University of California and at the University of California. She has been an instructor at Kingswood school, Cranbrook, Bloomfield Hills, Mich. Captain Branniff was graduated from Norwich university, Northfield, Vt., and is now stationed at Ft. Riley, Kansas. Captain and Mrs. Branniff are at home at 1006 North Manhattan.

RECENT HAPPENINGS ON THE HILL

The United States Navy band will give two concerts in the College Auditorium today. Lt. Charles Benter will conduct both afternoon and night concerts.

B. Marlo Dirks, Moundridge, was awarded a medal last week as the outstanding freshman student in the Department of Milling Industry by Alpha Mu, honorary milling organization.

Mrs. H. R. Lucas, '13, left Manhattan last week for Kearny, N. J., where she will christen the cruiser U. S. S. Juneau as it leaves the ways in the shipyard October 25. Mrs. Lucas, wife of the mayor of Juneau, Alaska, visited in Manhattan last week.

Sixty freshmen in veterinary medicine have been wearing white coveralls, carrying a large horse bone and placarded with a card bearing a large "V" during their initiation into the campus chapter of the American Veterinary Medical association. The freshmen wore their costumes from Friday through Tuesday.

A General Motors science show entitled "Previews of Progress" will be on the campus next week from Monday through Wednesday. The exhibit, sponsored by the Junior Chamber of Commerce, will be in the College Auditorium. Acting Dean L. E. Conrad of the Division of Engineering and Architecture, helped bring the show to the campus.

Barbara Schenk, Kansas City, Mo., is editor of the home economics publication, Betty Lamp, the first issue of which will appear the last of October. Nan Sperry, Overland Park, is assistant editor; Mary Cawood, Wetmore, and Dorothy Hoodlet, Argonia, circulation managers; Betty Ann Faubion, Manhattan, fashion editor; and Barbara Bouck, Manhattan, art editor.

Students and professors in the Department of Zoology heard seminar addresses last week by Dr. D. A. Porter of Auburn, Ala. Doctor Porter received his master's degree in zoology at Kansas State College in 1932 and is associate parasitologist at the Southern States Regional laboratory of the U. S. Bureau of Animal Industry. Mrs. Golda (LaShelle) Porter, M. S. '31, accompanied her husband on his campus visit.

BIRTHS

Robert N. Erickson, G. S. '39, and Lana (Allen) Erickson, Manhattan, are parents of a son, David Hening, born June 28. Mr. Erickson is studying veterinary medicine at Kansas State College.

A letter from Mildred (Buckwalter) Sollenberger, I. J. '38, tells of the birth of a son, Mark Allen, May 14 to Raymond R. Sollenberger, C. E. '38, and herself. "We think it would be nice if the baby would be a K. S. C. engineer. Mr. Sollenberger is concrete engineer of a large munitions plant being built by the government in Kingsbury, Ind. He designs and inspects all concrete for 300 buildings."

Their home is at Long Beach, Michigan City, Ind.

DEATHS

BLYTHE

Dr. Arthur Blythe, D. V. M. '38, died August 1

PLACEMENT OF 152 TEACHERS ANNOUNCED BY DEAN HOLTON

GRADUATES OF CLASS OF 1941 FIND SCHOOL JOBS

Positions in Home Economics at Top of List with 71, Vocational Agriculture Follows with 21 Employed

Announcement that 152 graduates of 1941 have been placed in teaching positions was made last week by E. L. Holton, professor of education and dean of the Summer school. Placements in home economics led the list with 71, vocational agriculture followed with 21, third, mathematics and science with 17 positions.

Those receiving teaching jobs this year and their towns are:

71 IN HOME ECONOMICS

Home Economics—Ellita Bernice Atwell, Culver; Jane Elizabeth Baker, Valley Falls; Rena Lauretta Bell, Alton; Welcome Bender, Gypsum; Josephine Bergsma, Byers; Pauline Isabell Blackwell, Bison; Francis Lorraine Brooks, Norton; Bernice Brown, Miller; Nancy Musto Cables, Long Island; Mary Alice Campbell, Osborne; Ruth Pearl Campbell, Culison; Lucile Mae Cosandier, Winchester; Marieta Jane Delano, Denison; Jane Dunham, Robinson; Marian Clair Elmer, Perry; L. Grace Evans, Manter; Autumn Fields, Smith Center; Helen Fleming, Durham; Grace Edythe Goertz, Windom; Clarice Gosney, Ingalls; Dorothy Mae Green, Eaton, Colo.; Alice Crosby Gunn, Belton, Mo.; Mildred Joyce Gurtler, Horton; Verda Gwin, Milford; Eleanor J. Harsh, Jennings; Jane Louise Hastings, Bird City; Dorothy Howat, Delphos; Wilma Jackson, Johnson; Eleanor Johnson, Parkerville; Mary Margaret Jordan, Toronto; Jean Margaret Kallenberger, Coffeyville; Mary Elizabeth Kelley, Caldwell; Anna Mae Kern, Fostoria.

Ruth Virginia Keys, Jamestown; Josephine Lann, Wathena; Marian Francis McBride, Hanover; Martha Roseline McKenna, Hoxie; Ruth Martin, Kincaid; Evelyn Matson, McPherson; Jessie Marguerite Mason, McPherson; Kathryn L. Millard, Turon; Joan Miller, Ransom; Evelyn May Meyer, Ellsworth; Vera Lois Murphy, Utica; Evelyn Nagel, Valley Center; Ingrid Leone Nordine, Paxico; Aileen Ozment, Onaga; Alberta Pullins, Council Grove; Mary Pauline Richarz, Miller; Lelia Louise Roberts, Gardner; Margaret Roseman, Olsburg; Ruth Elizabeth Salley, Axtell; Margaret Winnifred Schnacke, Stockton; Dorothea Ann Schroeder, Portis; Jean Scott, Hot Springs, South Dakota; Manette Sexson, Russell; Helen Marie Sellens, Sedgwick; Deborah Sharp, Holcomb; Helen Aileen Shepard, Cherokee; Hattie Alice Smith, Parker; Mary Pauline Spain, Moundridge; Dorothy Jane Steinkirchner, Lost Springs; Mary L. Stewart, Randolph; Dorothy Stutzman, Beverly; Ernestine Alice Sutter, Matfield Green; Elizabeth Titus, Augusta; Earlene Eleanor Truskell, Garrison; Dorothy VanTuyl, Staffordville; Blanche Winkler, Beattie; Betty Catherine Wolf, Coldwater; Evelyn Ernestine Yost, Oakley.

Vocational Agriculture—Ralph Edwin Bonewitz, La Crosse; Edward Brenner, Syracuse; Francis Richard Brown, Westmoreland; Wayne Robert Colle, Denison; Ernest Wilson Decker, Vinland; Thello Clarence Dodd, La Harpe; John W. Dummermuth, Lenora; Emory Allen Groves, Scandia; Raymond D. Harrington, Byers; Irving B. Hawk, Bedford, Iowa; Rees W. Hughes, La Cygne; Chris Langvardt, Dodge City; Doyle W. LaRosh, Mulvane; Ray Wm. Morrison, Alma; James Russell Peddicord, Hanover; Walter Stuart Robinson, Ava, Mo.; H. Lyman Singer, Wellsville; Rollin Max Starosta, Powhatan; Merwin Stearns, Longford; Joren L. Van Petten, Waterville; John P. Weddle, Gardner.

TEN IN MUSIC

Music—Mary Jane Boyd, Riley; Lowell W. Clark, Ransom; Charles Kendall Horner, Phillipsburg; Betty Lou LaPlante, Jennings; Marjorie L. Moree, Courtland; Wilma Price, Keats; ValGene Sherrard, Galva; Nancy Pat Wilkins, McAllen, Texas; Helen Wrotten, Beattie; Gladys Bergmann, Lawrenceville, Ill.

Physical Education—Ruth Burnet, Concordia; Mary Marvel Kantz, Anthony; Maxine Gibbs, Independence;

Doris Kittell, Colby; Helen VanDer Stelt, Trenton, Mo.

Mathematics and Science—Eloise Black, Waterville; John DeMond, Concordia; Cecil Eberle, Anthony; Lawrence Dale Freel, Wakefield; Dale Edsell Gibson, Morrowville; Richard Hagadorn, Hepler; James Robert Hoath, Ozawkie; Archie W. Howell, Goddard; Ann Jackson, Blackwell, Okla.; Virginia Lupfer, Melvern; Ben Neill, Norton; Auriel Lee Olson, Erie; Carroll W. Preusch, Hanover; Harlan Edward Rees, Zook; Robert M. Roelfs, Madison; Johnnie Edward Wenger, Delia; Marjorie Bee Windhorst, Woodruff.

SIX ARE COACHES

English and Social Science—Bernice Bender, Wamego; Mrs. Blanche Bowman, Neal; Neva M. Garrett, Kirwin; Bernice M. Horton, Wayside; Alice Claire Hummel, Lorraine; Shirley Karns, Oakley; Miriam Moore, Gatlinburg, Tenn.; Vera Walker, McPherson; Robert D. Williams, Valley Falls; Dolores Ann Meyer, Vermillion.

Coaching—Paul Dickens, Lorraine; Charles Keith Franks, Baxter Springs; Floyd Holmes, Stockdale; John James Jackson, Osborne; Robert W. Yeoman, Rexford; Elmer Black, Plattsburg, Mo.

Miscellaneous—Robert Crow, Pretty Prairie; Gwendolyn Lee, Holyrood; Lois Belle Turner, Beloit; Dorothy Belle Gudgel, Arlington; Marie Louise Brewer, Page City; Ruth Jameson, Zeeland; Opal Eltona Rhoads, Little River; James R. Wells, Emmett; John Boalen, Montrose; Henry Karns, Junction City; Wilma VanDiest, Onaga.

ANNUAL SWINE FEEDERS DAY PROGRAM WILL INCLUDE FEEDING, MANAGEMENT

Demonstrations Held Outdoors at Hog Barn Will Be Principal Part of Schedule

A program designed to supply answers to the many feeding and management problems of swine feeders has been planned for the Twentieth Annual Swine Feeders day at Kansas State College Saturday.

Dr. C. E. Aubel, swine specialist on the staff of the Kansas Agricultural Experiment station, said the program will consist mainly of demonstrations of a practical nature held outdoors at the hog barn on the animal husbandry farm.

A demonstration and report of a feeding project on creep feeding suckling pigs has been added to the program especially for high school students enrolled in vocational agriculture or 4-H club work.

Staff members in the Division of Veterinary Medicine will demonstrate proper methods in trimming feet, removing tusks and other minor surgical operations on hogs. Also included on the program will be short talks by C. P. Wilson, assistant professor of the Department of Agricultural Economics and Sociology; Dr. H. H. Laude of the Department of Agronomy; L. E. Hawkins, agricultural commissioner of the Kansas City Chamber of Commerce; Carl Elling of the Division of Extension; and Doctor Aubel.

The program will begin at 10 a. m. with inspection of the College swine herd.

THIRD 10-MAN FLYING UNIT BEING FORMED AT COLLEGE

Regional Aeronautics Board Recommends Proposal to Washington

Authorization for a third elementary unit of the Civil Pilot Training program was received Tuesday by Prof. C. E. Pearce, co-ordinator for the government's program at Kansas State College.

Interest in the government flying course was so great this semester that the College's quota of two elementary units of 10 enrollees failed to accommodate all those interested. On application from representatives here, the regional Civil Aeronautics Board office in Kansas City has recommended to national headquarters at Washington that Kansas State College be allowed a third unit. Students are signing for the course at the machine design office this week.

Only one advanced, or secondary, unit was formed this fall, as there were not quite enough applicants to fill a second one. A third elementary unit, if offered, will insure an adequate number of men with primary licenses to fill two advanced units here next semester.

UNLIMITED CUT PRIVILEGES ARE GRANTED TO 79 JUNIORS

ANNOUNCEMENT OF LIST MADE BY MISS JESSIE MACHIR

Students Must Have B Average for Previous Two Semesters and Earn 30 Points During Each Term to Be Included

Names of 79 junior students who have the privilege of voluntary attendance this semester have been announced by Miss Jessie McDowell Machir, registrar. The students have "cut" privileges because they maintained a B average each of the two preceding semesters, had no failing grades and carried enough hours to earn 30 points each semester.

Those named by divisions include:

Division of Agriculture—Walter L. Bieberly, Dodge City; Homer J. Cornwell, St. John; Roy G. Currie, Manhattan; Arthur L. Francis, St. John; Paul L. Kelley, Solomon; Leo Miller, Brooklyn, N. Y.; George A. Mullen, Jr., McCune; James M. Nelson, Marysville; Lowell H. Penny, Lawrence; William B. Robertson, Barnard; Warren Schlaegel, Olathe; Harold Schraer, Brooklyn, N. Y.; Glenn P. Schulthess, McFarland; Kent L. West, Cedar Vale; Donald R. Wood, Trousdale.

ENGINEERS LIST 14

Division of Engineering—Earl C. Barb, Hamilton; William R. Bixler, Emporia; David J. Blevins, Manhattan; Leon D. Findley, Kiowa; James R. Hamm, Humboldt; Daryl W. Hawkins, Cedar Vale; James M. Holecek, Burns; Lawrence K. Hudson, Wilsey; John K. Johnson, McPherson; Flora E. Lancaster, Yates Center; Kenneth E. Palmer, Murdock; Kenneth E. Rice, Greensburg; Norman R. Ross, Manhattan; George W. Yost, Vassar.

Division of Veterinary Medicine—Burson George Busset, LeRoy; Albert S. Coates, Jr., Kansas City; Robert N. Erickson, Orland, Calif.; Charles E. Whiteman, Carrollton, Ill.

Division of Home Economics—Joanne M. Aubel, Manhattan; Margaret J. Bayless, Wakarusa; Patricia A. Beezley, Girard; Edith M. Dawley, Manhattan; Gladys L. Devore, Hadadam; Helen F. Drake, Corbin; Doris J. Fieh, Enterprise; Sara M. Griffin, Hutchinson; Phoebe Lahr Hillmon, Manhattan; Betty A. Hosemer, San Diego, Calif.; Janice Fern Hunt, Blue Rapids; Orla C. Kemper, Emporia; Elsie F. Larson, Madison; Maryanna Lock, Mayetta; Elizabeth R. McLeod, Manhattan; Avis M. Moore, Cottonwood Falls; Marcile M. Norby, Cullison; Ina E. Palmer, Sabetha; Fern I. Roelfs, Bushton; Louise R. Schlicher, Hoxie; Carol M. Stevenson, Oberlin; Maxine O. Zimmerman, Belle Plaine.

GENERAL SCIENCE HAVE 24

Division of General Science—Mary Margaret Arnold, Manhattan; Johnette Bradley, Wellington; Betty Adeleine Coon, Meade; Virginia L. Feller, Leavenworth; Sidney Galinke, Brooklyn, N. Y.; David C. Gilkeson, Rochester, N. Y.; Edgar N. Glotzbach, Paxico; Gordon L. Griffith, Bogue; James W. Hamburg, Marysville; Marion R. Hildman, Elmont; Dora Hoffman, Haddam; Lois A. Hostinsky, Manhattan; Robert N. Kirk, Topeka; Dean T. Lill, Mt. Hope; Arnold L. Peterson, McPherson; Merrill D. Peterson, Manhattan; Mary Alice Pile, Liberal; Mary F. Schroller,

EVERYDAY ECONOMICS

By W. E. GRIMES

"Agriculture always will suffer as long as other parts of the national economy can shift competition into agriculture with the coming of depressions."

Better living conditions will be enjoyed by industrial workers when more of them live on suburban tracts where they can produce some of their own food and where living conditions resemble those on farms. Such a change in the living conditions of this type of workers would be encouraged by further decentralization of industry. It would help to solve some of the population problems of the country since such living conditions would make children less of a liability to these industrial workers than they now are in congested cities. However, such developments are a constant threat to agriculture as long as unstable conditions recur in the industries in which these workers are

Marysville; Leander R. Sherlock, Wamego; Dorothy May Summers, Manhattan; Allen N. Webb, Manhattan; Benjamin B. Weybrew, Wamego; Virgil H. Whitsitt, Phillipsburg; Mary Marjorie Willis, Newton.

FIVE AG BARNWARMER PRINCESSES TAKE TESTS TO DEMONSTRATE THEIR ABILITIES

Candidates Drive Tractors Monday After Giving Imitations at Seminar

Five princesses will reign over the annual Ag Barnwarmer dance Saturday night in Nichols gymnasium. One of them will rule as queen.

Candidates who met the qualifications to be "farmerettes" are Esther Ann Weeks, Ft. Scott, Alpha Delta Pi; Dorothy Forster, Wichita, Kappa Delta; Virginia Gemmell, Manhattan, Pi Beta Phi; Betty Hathorn, Leavenworth, Chi Omega; and Jean Vasconcellos, Ellsworth, Independent Student Union.

At last week's seminar, tests, such as crowing like roosters, milking cows and dressing in boots and overalls, were given queen candidates by students in agriculture to determine their abilities to adapt themselves to farm life.

A tractor-driving contest Monday afternoon in which the five princesses competed officially opened the Ag Barnwarmer week. Agriculture students going to the dance will vote Thursday and Friday for the queen of their annual party. They will base their votes on the results of the various tests and contests.

Matt Betton and his orchestra will play for the Barnwarmer, to which only students in agriculture and invited guests are allowed. Traditional overalls and cotton dresses will again be worn. Manager of the dance is Ronald Campbell, Cherryvale.

Name Journalism "Professionals"

Seventeen Kansas State College journalism students have been accorded a "journalism professional" rating for the fall semester. As announced by Prof. R. I. Thackrey, head of the Department of Industrial Journalism and Printing, they number eight juniors and nine seniors. They were Mary Margaret Arnold, Betty Lee Beatty, Terry Dougherty, Jack E. James, Jack Thomasson, Phyllis Van Meter, Mary Marjorie Willis and Margaret E. Wunsch, juniors; and Ema Lou Bireline, Harry P. Bouck, Mary K. Cantrell, Alma D. Fuller, Hurst K. Majors, Mary B. Morris, Marjorie J. Rogers, Gordon West and Glenn Williams, seniors.

Plan Aggie Pop

The College Young Women's Christian Association is this week inviting organized houses to enter competitive acts in Aggie Pop November 21 and 22. Carol Stevenson, Oberlin, is the student manager of this year's annual variety show. H. Miles Hebler, associate professor of public speaking, will direct the program.

John Babcock in Hawaii

Lt. John H. Babcock, E. E. '41, is stationed at the signal office, headquarters Hawaiian department, Ft. Shafter, T. H. Lieutenant Babcock, son of Dean R. W. Babcock of the Division of General Science, is one of the six cryptograph officers in the Hawaiian department of the United States Army.

BATTERED WILDCATS PREPARE TO PLAY MISSOURI SATURDAY

NORTHWESTERN TEAM WINS, 51-3, IN EVANSTON CLASH

Earl Williams, Dodge City, Halfback, Takes Ball from Bad Punt and Kicks Field Goal for Squad's Only Score

A battered group of Kansas Staters worked out against the freshmen team Monday as they began to practice for the coming contest with the University of Missouri Tigers next Saturday at Columbia.

The Wildcats received a 51-3 drubbing at the hands of Lynn Waldorf's Northwestern university team last Saturday, taking their worst beating in years. The only K-State score was made early in the game when Earl Williams, Dodge City, halfback, taking the ball after a bad Northwestern punt had downed it on the 36, smashed through to the Evanston 19-yard line and kicked a field goal. This was the first score of the game.

SCORE EIGHT TOUCHDOWNS

A few minutes later Bill de Correvant, flashing Northwestern back, pushed over the first of eight Evanson touchdowns. De Correvant and Graham were high scorers for the game. Graham made three touchdowns and de Correvant made two.

No Kansas Staters were badly hurt during the game. Junior Erickson, halfback from Neodesha, received a bruised hip which may keep him out of the next game, but the injury was not serious.

Missouri is rated second place in the Big Six by most pre-season forecasters. Two weeks ago, they lost to Ohio State 13-6; and last week, the Ohio team gave Southern California, rated among the top teams in the country, a 33-0 beating.

GAIN 33 YARDS

Statistics on the Northwestern-Kansas State game:

	K.S. N.W.N.
First downs	1 22
Yards gained (net)	33 394
Forward passes attempted	5 16
Forward passes completed	0 6
Yards gained by forward passes	0 132
Yards lost attempted passes	0 14
Forward passes intercepted by	2 1
Yards gained, runback of intercepted passes	25 10
Punting average (from skirmish)	34 25.8
Total yards kicks returned including punts and kickoffs	111 203
Opponents' fumbles recovered	0 1
Yards lost by penalties	5 75

SCABBARD AND BLADE WILL INITIATE LARGEST PLEDGE CLASS THIS WEEK

Student Group of 35 Will Be Installed by Honorary Military Society

Thirty-five men will be initiated into Scabbard and Blade, national honorary military organization, this week end.

Members of the largest pledge class, according to the organization's 1st Lt. Eugene Ruff, Russell, are:

Merrill Dunn, Topeka; William Banks, Atchison; Gerald Klema, Wilson; Arthur Neff, Ulysses; Darcy Doryland, Robert Gahagen, Lyle Carmony, Robert Floersch, Robert Barber, Denzil Bergman, Manhattan; John Adams, James Foster, Atchison; Harold Rall, Menlo; Dean Engwall, Jamestown; Glenn Thomas, Medicine Lodge; Vincent Van Sickel, Abilene; Robert Baldridge, Emporia; Daniel Durniak, Germantown, N. Y.; Rex Pruitt, Culver; Don Stuewe, Alma; Nick Robson, Ed McConnell, Salina; Milton Robertson, Ft. Bragg, N. C.; Fred Mueller, Topeka; Ernest McLain, Kansas City; Robert Schreiber, Garden City; Delbert Townsend, Red Willow, Neb.; Dean Lill, Mt. Hope; Arthur Fillmore, Augusta; Dale McCune, Stafford; John Dart, Newton; Joe Kirkpatrick, Bogue; Malvin Johnson, Moran; Ernest E. Woods, Kansas City, Mo.; and Bill Brown.

Taught in Michigan

Dr. D. J. Ameel, instructor in the Department of Zoology, taught in the University of Michigan Biological Station, Cheboygan, during the summer. Mrs. Ameel was employed as librarian for the station.

Works on Geological Surveys

Dr. Frank Byrne, associate professor in the Department of Geology, spent the summer working for the Kansas and United States Geological surveys. He was stationed at Medicine Lodge, Kan.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, October 15, 1941

Number 5

HALF OF COLLEGE STUDENT BODY CONTRIBUTES TO OWN SUPPORT

REGISTRAR RELEASES STATISTICS BASED ON REGISTRATION

National Youth Administration Employs
300 While Department of Building
and Repair Also Hires Many
Other Workers

Approximately half the students at Kansas State College are partly or wholly self-supporting, according to figures released Tuesday by Miss Jessie McDowell Machir, registrar. Miss Machir's tabulation was based upon information supplied by students during registration week.

Fifty-eight per cent of the men in the College and 29 per cent of the women are included in the total of 1,861 students who are working while in school, the reports showed. Forty-nine per cent of all students are contributing to their own support.

NYA HIRES 300 STUDENTS

A total of 988 men, or 38 per cent of the male students, reported that they were wholly self-supporting, and 16 per cent of the women described themselves as financially self-sufficient.

Twenty per cent of the men and 13 per cent of the women students reported they were partly self-supporting. Three per cent of the men and five per cent of the women failed to divulge their means of support.

The young men and women who are mixing books and jobs have found a great variety of tasks to ease financial burdens. Approximately 300 students are employed by the National Youth administration, and the Department of Maintenance hires many others.

Most College women students who support themselves are engaged in clerical or office work, many as secretaries or stenographers in departmental offices. Some do housework in private homes for their board and room. The College cafeteria employs a number of students in a cooperative plan by which the students work several hours a week as part payment for their board.

HOLD MANY KINDS OF JOBS

Many College men and women are employed by restaurants, clothing stores, drug stores, grocery stores, laundries, newspapers and other business firms in Manhattan. Many other men are employed on the campus doing janitor work, painting, repairing and taking care of the buildings and grounds. A few Kansas State College students operate businesses of their own.

Some students earn part or all of their living by selling jewelry, clothing, cosmetics and magazines. Several others tend furnaces, clean rooms, wash cars, mow lawns, work in gardens and perform all sorts of odd jobs. A few College students help solve the financial problem by staying with children whose mothers go to parties or meetings.

ENGINEERING DRAWING COURSE TO BEGIN EARLY IN NOVEMBER

Federal Government Will Pay Fees for All Who Meet Requirements

An extensive 12-week course in engineering drawing, the eighth course to be offered under the present defense training program, will begin early in November, according to Prof. W. W. Carlson, College representative.

Admission requirements include graduation from an accredited high school with at least two years training in mathematics, one unit in algebra and one in geometry. All laboratory and enrollment fees are paid by the federal government with only textbooks, drawing instruments and personal expenses to be paid by the student.

Professor Carlson called attention to the fact that women may enroll in this course. He said that several of the larger airplane plants already are using women and that more have expressed interest in hiring women for drafting. Two women are enrolled in a similar course now in session.



For Vim, Vigor, and Vitality

It's smart to be healthy, decide Miss Molly Geddes, new foods technician, and nutrition student Geneie Keller, of Clyde, as they consider food habits to be discussed at the State Conference on Nutrition in Relation to National Defense in Topeka.

21 FACULTY MEMBERS WILL ATTEND NUTRITION CONFERENCE IN TOPEKA

Dr. Margaret M. Justin Says Meetings Are Milestone in State Recognition of Needs for Program

Attending the state conference on Nutrition in Relation to National Defense in Topeka Friday and Saturday, 21 members of the Kansas State College faculty will aid in formulating an aggressive campaign for better state health.

Representatives of state organizations and leaders in the fields of health, social service, education and home economics will hold discussions and two symposia in the Little Theatre of the Topeka Municipal Auditorium, under the direction of Dr. Margaret M. Justin, dean of the Division of Home Economics and chairman of the State Committee on Nutrition in Relation to National Defense.

"This conference marks a milestone in nutrition," said Dean Justin, "for it is the first time the state government has officially recognized the need of a state-sponsored program."

Accompanying Dean Justin to the conference will be:

Dr. Martha Pittman, head of the Department of Food Economics and Nutrition; Dr. M. W. Husband, head of the Department of Student Health; Dr. J. S. Hughes, professor of biochemistry; Dr. W. E. Grimes, head of the Department of Economics and Sociology; Dr. Katherine Roy, head of the Department of Child Welfare and Euthenics; Miss Gertrude Allen, assistant professor of foods and nutrition in the Division of College Extension; Miss Georgiana Smurthwaite, of the Kansas State College Extension Service; Miss Ruth Botts, assistant extension editor; Mrs. Lucile Rust, professor of Home Economics Education; Miss Margaret Peterson, nutritionist in the Department of Student Health; Miss Mary Fletcher, assistant professor of foods and nutrition, Division of Extension.

Miss Jane Rockwell, instructor in the Department of Industrial Journalism and Printing; Dr. Leah Ascham, assistant professor in foods; Miss Ella Johnson, instructor in the Department of Education; Miss Ella

Jane Meiller, instructor in foods and nutrition; Miss Mildred Anderson, district home demonstration agent; Miss W. Pearl Martin, specialist in the Division of Extension; Miss Mary Border, assistant professor in Junior Extension; Miss Ella M. Meyer, district home demonstration agent and Mrs. Laura I. Winter, district home demonstration agent.

FOURTH HOME MANAGEMENT COTTAGE WILL BE NAMED FOR MARTHA KRAMER

New House at Leavenworth and Seventeenth Streets to Be Officially Opened Tuesday

Named in honor of a former member of the faculty who is now in China, the Martha M. Kramer Cottage for home management students will be opened officially Tuesday.

This shrubbery-covered, two-story white house on the corner of Leavenworth and Seventeenth streets will

be the home for five students whose project budgets include a \$35 monthly rental. A three-bedroom house belonging to Dr. S. C. Salmon, former professor in agronomy, it is being redecorated and furnished by a unit of 15 girls in the house classes. Mrs. Helen Beth Coats Sherrill, graduate student in the Division of Home Economics, is directing their plans.

Miss Althea Keller, who has just returned from three years of teaching in Assuit, Egypt, near Cairo, will be resident adviser. Miss Keller, who arrived here last week after a 70-day boat trip, is a graduate of Kansas State College and was a member of the Home Economics faculty here in 1936-37.

Doctor Kramer, for whom the cottage is named, was a staff member of the Department of Food Economics and Nutrition here from 1922 to 1937 and is now teaching in Yenching university at Peiping, China.

"She was one of the outstanding teachers in the department and was responsible for much of the research conducted while she was here. She quietly gave a helping hand to many students. Her interest in Kansas State College has never waned and her influence continues to be felt," said Dr. Ruth Lindquist, head of the Department of Household Economics.

DuMars Named to Radio Job

M. L. "Duke" DuMars, I. J. '33, has been appointed radio extension specialist for the United States Department of Agriculture, Washington, D. C. Mr. DuMars was radio extension editor here from February, 1935, to August, 1936, when he resigned to accept a position with the USDA. While here, Mr. DuMars had charge of the College radio station, KSAC, turned out radio script for 12 or 14 commercial stations in Kansas and handled some routine news releases for county agents and Kansas weekly newspapers.

EXPERT RECOMMENDS MILO GRAINS AT ANNUAL SWINE FEEDERS MEETING

Dr. C. E. Aubel Tells of Station Experiments Showing Results of Pig Feeding Tests

The milo grains were recommended to swine feeders attending the Twentieth Annual Swine Feeders day Saturday as being "equal or superior to corn as the grain portion of the swine-fattening ration." Dr. C. E. Aubel, swine specialist on the staff of the Kansas Agricultural Experiment station, said that milo grain was "fully as palatable as shelled corn, the finish on the pigs was as good as the finish on the corn-fed pigs and pigs fed the milo grain made more rapid daily gains than pigs fed corn," according to the results of two feeding tests conducted by the station during the past year.

In discussing substitute grains in fattening rations for hogs, Doctor Aubel said that as a result of the large increase in sorghum production in Kansas, interest has increased in the utilization of the grain crop. Colby and Wheatland milos were the two sorghum varieties studied in the tests. Doctor Aubel plans to compare other varieties of sorghum grains in future tests.

Ground barley was not as good as corn for fattening pigs in the dry lot, Doctor Aubel reported. Two lots of nine pigs each were fed for 118 days, one lot getting ground barley and the other lot getting shelled corn. The results indicate that ground barley is worth about nine-tenths as much as shelled corn when fed with a good protein supplement, Doctor Aubel said.

Demonstrations of the proper methods of trimming feet and removing tusks were given, using boars from the station's breeding herd. Dr. S. J. Roberts of the Division of Veterinary Medicine demonstrated a new method of castration. Another demonstration dealt with creep-feeding suckling pigs.

The future for the swine feeder is bright, according to L. E. Hawkins, agricultural commissioner of the Kansas City Chamber of Commerce, one of the program speakers. Mr. Hawkins discussed the government's "Food for Defense" program and told of the pork production contest the Chamber of Commerce is sponsoring.

Pearls Wilson, livestock market specialist in the Department of Agricultural Economics and Sociology, said that prices probably will stay between 10 and 13 cents for the next year.

Carl Elling, Division of College Extension livestock specialist, urged farmers to use purebred foundation stock in starting a swine herd.

WIDOW OF J. W. SEARSON DIES IN LINCOLN, NEB.

Husband Was Formerly on English Faculty at Kansas State

Mrs. Martha E. Searson, 66, died October 5 at Lincoln, Neb. Mrs. Searson was the widow of Prof. J. W. Searson, who was associate professor of the Department of English, later professor, at Kansas State College from 1910 to 1921.

In June, 1921, Professor Searson resigned to become professor of English in the University of Nebraska. Mrs. Searson had been living in Lincoln since then. Professor Searson died in 1927.

ADMINISTRATION APPROVES COLLEGE ADVISORY COUNCIL

NEW ORGANIZATION TO "FURTHER FACULTY PARTICIPATION"

Teachers Who Now Have "Little Executive Responsibility" Will Have
Opportunity to Aid in Governing

Plans for the creation of a College Advisory council, comprising one representative elected from each department in the College, were announced last week by Dr. George Gemmell, chairman of a faculty committee which formulated the plan. The new council, created to "further faculty participation in the government of Kansas State College," has been approved by the administration.

In its report to President Farrell, the committee stated that such a council would be valuable in acquainting faculty members who are not department heads with the principles and educational policies of the institution. This, it was said, would promote a better understanding and give some degree of training to the younger members of the faculty.

DEPARTMENT HEADS EXCLUDED

The council will be governed by an executive board consisting of a chairman, vice-chairman, secretary and three other board members, selected so that they will represent each of the six divisions of the school. Heads of departments are excluded from membership in the organization because it was felt that it should consist only of faculty members who have "little executive responsibility."

When organization of the council is complete, its members will be elected for a term of three years, with no person being elected for two consecutive terms. In the first election, which will be held this week, one-third of the departmental representatives will be elected for one year, one-third for two years and the remaining third for the full term of three years.

The functions of the new organization, as proposed by the committee, are the consideration of problems presented to its executive committee by the departments through their representatives and the consideration of problems assigned to it by the President and the council of deans.

TO ACQUAINT ALL DEPARTMENTS

The report called the Council a democratic means of expressing departmental wishes for College consideration and a means of acquainting all departments with "College problems and with the attitudes of other departments toward those problems."

Members of the committee, appointed last summer by President Farrell, included Doctor Gemmell, Dr. Roy C. Langford, Prof. C. E. Pearce, Dr. Fritz Moore, and Prof. Helen Elcock.

COLLEGE DAIRY JUDGING TEAM PLACES THIRD AT NATIONAL SHOW IN MEMPHIS

Jim Cavanaugh, Dodge City, Is Ranked Fifth for Competition Against 23 Other Schools

Kansas State College's dairy judging team was third in the National Dairy show at Memphis, Tenn., Saturday, competing against 23 other college dairy teams. Iowa State College was first and Texas A. and M. was second in the show.

Team ratings for Kansas State were: first, Jersey; first, Ayrshire; fourth, Holstein; seventh, Guernsey; seventh, Brown Swiss.

Members of the Kansas State team were James Cavanaugh, Dodge City; Max Dawdy, Washington; John Weir, Geuda Springs; and Malvin Johnson, Moran, alternate. Dr. A. O. Shaw of the College Department of Dairy Husbandry is coach.

Cavanaugh was fifth in judging all breeds and Dawdy eighth.

Individual rank given: Cavanaugh, third, Ayrshire; eighth, Holstein; tenth, Brown Swiss. Dawdy, third, Jersey; seventh, Holstein. Weir, eighth, Ayrshire.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY Editor
HILLIE KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, OCTOBER 15, 1941

NUTRITION AND THE WAR

"Food will win the war and write the peace."

Nutritionists would amend this new defense slogan to insert the words "and the proper use of food".

Food alone is not enough for national health. As high as 35 to 45 per cent of the draftees are rejected from army service because of nutritional defects—defects such as bad teeth, poor eyes and general poor health—all caused by lack of certain food elements.

One third of the people in the United States, surveys show, are under-nourished, not alone from lack of money but from lack of knowledge. Even children of wealth suffer from this "inner hunger" for certain food properties their bodies crave.

In Denmark after World War I, great numbers of children were found to have poor eyesight. Health authorities realized too late that to feed other nations Denmark had sold most of her butter supply with its essential vitamins.

Rising food costs and the demands of the army and allies upon the nation's food supplies are apt to make the problem of balanced diets more serious, yet with knowledge of food properties even low income groups can have good nutrition.

National health is vitally important at this time, not only for the fighting men of the army but for labor which makes defense possible. The common cold can cause as much "sabotage" as the time bomb. Optimal health is essential for vigor, enthusiasm, steady nerves, endurance and that important attitude termed morale.

For the first time, the government officially is sponsoring a nutrition program. Gov. Payne H. Ratner has called a Kansas conference for October 17 and 18 in Topeka under the direction of Dr. Margaret M. Justin, dean of the Division of Home Economics. Invited are social service, educational and health leaders and representatives of civic and rural organizations. They hope to work out an aggressive nutrition campaign for the state.

Although Kansas has long been one of the healthiest states in the union, much remains to be done. It will take individual responsibility on the part of everyone to insure optimal health for defense.—J. R.

BOOKS

History After the Grand Manner

"The Great Cultural Traditions." By Ralph Turner. McGraw-Hill, New York, 1941. (2 vols.)

Nothing less than a new perspective of history has been made possible by recent archaeological and historical researches. It brings into a single focus the cultural developments of the world. This is accomplished through interpretation of the development of the various cultures in terms of some of the findings of the social sciences, including anthropology, human geography, economics, and social psychology. The product is a synthesis of importance both for the study of history and the understanding of the wide-spread social disorders which characterize the present-day world.

This new perspective of history goes a long way toward supplying a much needed and long delayed frame of reference for the history of man.

kind taken as a whole—a frame of reference within which the histories of different peoples may be seen, and the resources of each identified, defined, and made available. It provides not only a view of the field of cultural history as a whole, but, at the same time, the break-down of the entire field into its divisions, classes, and sub-classes of cultural phenomena. This pattern exhibited by the field as a whole is fixed by the character of the cultural traditions themselves. Such a perspective makes possible the interpretation of the significance of the content of any one cultural tradition by means of the aid of all of the others. It is now possible to determine clearly whether similarities and differences in behavior of human groups are really superficial or basic.

All too familiar is the perspective of history that rests largely upon historical analysis, and that of a limited range. This method consists of heaping up more and more data about a smaller and smaller range of subject matter. History is by its very nature a synthetic subject. It calls for no less than the study of the behavior of the whole life of man in the past—i.e. to the extent of the records available. Historical analysis is imperative in the process of dealing with data; but it is the synthesis which integrates historical data, and brings out what one wants most to know, regarding the social movements of history.

Of prime importance to us is an understanding of the social movements in history. All men have been subject to experience with its conditioning of the social group and the environment. Cultures differ because the experiences of men differ. To get at the social history of man in the past it is necessary to exploit, in a manner approved by science, the bodies of cultural tradition in which the resources are housed. In these days of world-wide social and cultural friction, any perspective of history that is less than world-wide, leaves much to be desired.

Students now face the problem of forming an orderly and coherent view of world cultural developments. This view requires the study of both earlier and later stages of human behavior, if available historical resources are to throw light upon the meaning of the present age, and aid in exposing those factors in human relationships which make for disintegration and integration. But the resources of the great cultural traditions, with their light upon social movements in our time, will remain impotent unless we are determined to make use of them.

Among contemporaries who are moved by what history in this grand manner can accomplish, is the historian Ralph Turner. He would put the new perspective of history to good account by exploiting it to maintain the democratic way of life in this age of crisis. To implement this social function of the historian he has produced a two-volume presentation of the new perspective of history, in which the social history of primitives, city-states and classical empires, which supply the foundations of our civilization to-day, is set forth.

The issue of our time appears clearly to be that of saving democracy. The use of history plays an indispensable part if democracy is to survive. To Turner, who is deeply moved by the lessons of social history, the role of historical study is clear. He says: "To save democracy it is necessary to develop it—with knowledge, with moral responsibility, and with intellectual integrity—and to each of these the study of history has something to contribute."

—Fred L. Parrish.

1. vol. 2, p. viii.

He is an eloquent man who can treat humble subjects with delicacy, lofty things impressively, and moderate things temperately.—Cicero.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Vera Frances Howard, '28, was enrolled as a graduate student in institutional management at the University of Minnesota.

Prof. C. E. Rogers, head of the Department of Industrial Journalism and Printing, on a year's leave of absence for study at Leland Stanford university, accepted appointment to membership on the Freedom of the

SCIENCE TODAY

By C. O. SWANSON
Professor, Department of Milling Industry

The amount of flour milled annually in the United States is around 100,000,000 barrels requiring about 470,000,000 bushels of the average 680,000,000 bushels wheat used annually. Thus the wheat milled into flour is about two-thirds of the total utilization, the other one-third is used for seed, feed, breakfast foods, etc.

In the years 1927-41, Kansas had seven wheat crops which exceeded 150 million bushels, hence this figure stands for a large wheat crop. The average was about 135,000,000 bushels. Because of the high quality of the Kansas wheat, considerably more than two-thirds of the total Kansas crop probably is used for milling into bread flour. We can assume therefore that Kansas on the average furnishes 100,000,000 bushels of wheat a year for milling, or more than one-fifth of the total used for flour production in United States. The annual per capita consumption of flour in the United States is now estimated at 154 pounds, requiring about 3.7 bushels of wheat. The 100,000,000 Kansas bushels would then mill the flour for 27,000,000 or about one-fifth the population of the United States. Kansas has less than 2,000,000 people, hence the market for Kansas requires over 25,000,000 wheat consumers outside the state.

These figures mean that Kansas wheat varieties must satisfy the qualities desired by people outside the state as well as by wheat growers in the state. If Kansas wheat does not satisfy the quality requirements of these 25,000,000 people outside the state, the comparative market value of Kansas wheat will suffer accordingly.

The flour millers are the first utilizers of the wheat which makes the flour for these 25,000,000 people. The flour mills listed in Kansas mill annually about 70,000,000 bushels. This means that in addition to the flour a large share of the Kansas wheat is shipped outside the state. The first demand of the millers is that the wheat shall be such that they can mill the quality of flour desired by their customers. These customers are not interested in where the millers get their wheat. They want a quality of flour which meets their demands.

It is estimated that the bakeries of the United States use about 42,000,000 barrels of white flour or about two-fifths of the total production. These bakeries want for their bread production what is commercially termed strong flour. Such flour will make about 300 pounds of bread per barrel and the loaves will be large and of fine texture. Kansas hard winter wheat is known for this quality of strength. Therefore it can be concluded that most of the flour

Press committee of the Thomas Jefferson Memorial foundation.

Dean L. E. Call and Prof. R. I. Throckmorton of the Division of Agriculture attended a meeting of the national committee on soil erosion at Hays where soil erosion experiments were being carried on. The trip included visits at the Garden City, Colby and Tribune experiment stations also.

TWENTY YEARS AGO

Ruth M. Kellogg, '10, was teaching household management in New York State College of Agriculture at Cornell university, Ithaca, N. Y.

A. B. Gahan, '03, was entomological assistant, United States Department of Agriculture, at the United States national museum, Washington, D. C.

Mrs. Eleanor B. Patrick, '15, was director of the Patrick School in Millinery and Design, Kansas City, Mo. Mrs. Patrick spent her first two years out of college as director of vocational education in South Dakota. She then went to Kansas City as supervisor of millinery for the Hayes Gates institute. In 1919, she started her own school.

THIRTY YEARS AGO

Dr. Clement G. Clarke, '88, represented the College at the inauguration of George Edgar Vincent as president of the University of Minnesota.

"Hunting Bears in Alaska" was the title of a story in The Kansas

milled from Kansas wheat goes to commercial bakeries. The millers who mill Kansas wheat know that they must make flours which have the quality demanded by these bakers. The reputation for quality in Kansas wheat depends on the satisfaction it gives to the millers who must make flours that suit their biggest customers, the bakers.

Turkey is the wheat variety which gave Kansas wheat its reputation for making strong bread flour. Turkey wheat is used as a standard by which other less known varieties are judged for quality. If a new variety is equal to Turkey it will be satisfactory to the millers.

For the growers yield in bushels per acre is of most importance. To be a good yielder, the variety must first of all be able to meet Kansas climatic conditions. It must be resistant to the cold of winters and the dry weather, have good harvesting properties, be of good color and test weight so as to grade well according to present grain grading standards. Good yields are also contingent on resistance to wheat diseases, such as rust, and insects such as the Hessian fly. If a wheat variety has these characteristics it will meet favor with the growers, but it may not have the quality demanded by the millers.

This is illustrated by the variety, Chiefkan, which meets the demands for quality of the wheat growers. By the millers this variety has received the most severe condemnation ever heaped upon a wheat variety.

Why develop new varieties when Turkey has satisfactory qualities? New wheat varieties can be and are being developed which are superior to Turkey from the growers standpoint, and at the same time be satisfactory to the millers. Tenmarq placed first on the basis of milling and baking qualities at the last state fair at Hutchinson, Kan. A new variety in order to merit distribution must be better than any of the old from the growers standpoint, and it must also be as good or better than any of the old from the millers standpoint. Tenmarq began to be tested for milling and baking quality in 1924 in the Department of Milling Industry. Later when enough seed was available it was tested in leading laboratories of the flour mills and large bakeries. That it would be satisfactory to the growers was determined by the Department of Agronomy, first in local and then in state wide tests. Thus before being distributed it had been subjected to the most rigid testing known to the people who are engaged in wheat improvement. About one-third of all the wheat now raised in Kansas is Tenmarq and there is no doubt that it has added to the reputation of Kansas wheat as good for milling strong bread flour.

Magazine by Milton D. Snodgrass, '06, in which he told of killing his first bear.

The Kansas State Agricultural College was asked to send a representative to the celebration of the semi-centennial of the University of Washington, Seattle. President Waters designated Dr. Edward O. Sisson, '86, professor of pedagogy and director of the School of Education of the University of Washington, as the College's representative.

FORTY YEARS AGO

W. J. Lightfoot, '81, was in the employ of the government as an examiner of surveys.

Prof. K. C. Davis, '91, was elected to the chair of horticulture and botany at West Virginia university, Morgantown.

R. T. Nichols, '99, was attending the medical college of Northwestern university and L. B. Jolley, '01, entered the Chicago Homeopathic Medical university.

FIFTY YEARS AGO

M. A. Carleton, '87, was teaching at Southwestern university, Wichita.

W. E. Whaley, '86, left for Chicago, where he planned to spend a year studying law at Northwestern university.

Lillie Bridgman, '86, was attending the California State university at Berkeley, where she was beginning a three-year course in literature and

languages toward a Ph. D. degree.

SIXTY YEARS AGO

At the meeting of Alpha Beta society the following were initiated: Miss Castle, Misses A. and I. Quinby, Miss E. Points and Mr. La Master.

Messrs. Thompson and Beacham were inaugurated as corresponding secretary and recording secretary of Society at the regular meeting of the organization.

Short talks were given at chapel exercises by Doctor Sternberg, Ellsworth; Doctor Roberts, Elizabeth, N. J.; and the Rev. Mr. Milner, Ottawa, who were attending the Synod of the Presbyterian church held in Manhattan.

KANSAS POETRY

Robert Conover, Editor

HALF MAST

By Helen McCarroll

The day was diffused with October and there was a song
Like crystals tinkling down the en-
carmined hill,
And I remember thinking: This is the
last time.
I will come to me, now, in my distress;
I will be still.
And even after I knew that for me it
was all shattered
The day grew more lovely; the October
sun was so warm
And the sweep of the hills into the val-
ley was music and sculpture.
Why could it not have been granted
me? What was the harm?

Mrs. Helen McCarroll, now of Manhattan, is a former city park commissioner of Hutchinson and a former vice-president of the Kansas Poetry society.

SUNFLOWERS

By H. W. Davis

OH SAY, CAN YOU SEE?

Dog gone it, just about the time
our great nation gets ready to arm
its merchant vessels, up jumps little
Panama, under whose flag we sail our
lease-lend stuff, and says she won't
allow the arming of her merchant
vessels.

To make a long, long story, full of
intriguing inconsistencies, very, very
short, our front man has gone on a
strike.

Before long we shall miss the flag
of little Panama proudly waving over
boat loads of our tanks, jeeps, guns,
and powder destined for the defense
of democracy. Who knows, maybe
the Star Spangled Banner will be run
up instead. Maybe we shall grow
naive and sail our stuff under our
own colors. Stranger things than that
have been brought about by the ex-
igencies of war.

But we ought not blame Panama
too much for her seeming failure to
cooperate. Maybe there are people
down there who think a big boy like
Uncle Sam with a big flag like Old
Glory and a national anthem about
it ought to be able to run up his own
colors once he gets his vessels armed
and capable of fighting back.

Of course, as long as he did not
have any shooting irons on his ships,
it would be unreasonable to expect
him to expose his own flag to a wa-
ter grave. It was perfectly all right
to help him out of such a predicament,
seeing as how he had paid a
good, fair price for the canal right
of way and killed off all the mosqui-
toes. But now it's different. "We
shouldn't," say Panamanians, "expect
him to arm our ships and protect our
flag over his goods after all he has
done for us. That would be too
much."

Yep, it begins to look as if we the
people of U. S. A. are up against the
proposition of finding a new front
for our neutrality. No longer can
Panamanian registry keep from Ger-
many the news that America has be-
come the arsenal of democracy and
is secretly on the side of England and
Russia. If Uncle Sam can't run up
his own flag over his protective guns,
Panama surely can't run the risk of
offending him by allowing guns to be
installed under her flag.

If anyone knows of a country that
has a flag willing to float above our
ships, we to furnish the guns to pro-
tect it, he should wire immediately
to our state department so something
can be arranged immediately. Other-
wise Old Glory may have to get out
and go to waving, and we may have to
get up every dawn's early light to see
if she is still there.

AMONG THE ALUMNI

Wilhelmine Spohr, B. S. '97, has been at Teachers College, Columbia university, since 1912. She is professor of household arts education. Her address is 509 W. 121st, New York, N. Y.

Mrs. Viva (Brenner) Morrison, D. S. '04, wrote during August, that she had returned from a three months' vacation. She spent two months with Lt. J. W. Hunter, '33, and Eva (Morrison) Hunter, f. s., at Ft. Huachuca, Ariz., and the several army camps in Louisiana. The last three weeks she was in McCook, Neb., with Frank Morrison, '27, and his wife, where she went to greet a new granddaughter, Jean Marie Morrison.

Carl C. Long, E. E. '08, is electrical engineer, Bonneville Power administration, Portland, Ore. He and Mrs. Long may be addressed at Box 215, Route 1, Vancouver, Wash.

Lulu Lucy Case, H. E. '11, supervises play school instruction classes in Berkeley, Calif. She reports her address is 2515 Regent street, Berkeley.

Nora M. Hott, H. E. '14, is state leader of home demonstration in Brookings, S. D. She has been there seven years, and has under her 19 house extension agents who serve 38 counties and four home-making specialists. Her address is 810 Ninth avenue, Brookings.

Celia (Johnson) Dalrymple, H. E. '17, recently changed from Casselton, N. D., to 404 N. Jefferson street, New Ulm, Minn.

Ralph G. Mickle, M. E. '18, is head miller of the Tri-State Milling company, Rapid City, S. D. He and Mary (Glenn) Mickle, '15, live at 508 Columbus, Rapid City. They have three children—Mary Jane, 20; Ralph, Jr., 18, and Alene, 16.

Earle W. Frost, B. S. '20, is grand marshal of Sigma Phi Epsilon. He is a member of the Kansas Beta chapter. His picture was in the September copy of Sigma Phi Epsilon. Mr. Frost is attorney in 510 Rialto building, Kansas City, Mo.

S. D. Capper, Ag. '21, M. S. '30, employee in the soil conservation program planning department at Amarillo, Texas, in recent years, has succeeded A. J. McCleery, Ag. '31, as conservationist of the Marshall County Soil Conservation district. He and Mae (Price) Capper live at the county seat, Marysville.

Labib M. Soliman, G. S. '22, is in the entomology department of the Ministry of Agriculture, Dukki Egypt.

Howard D. Finch, Ag. '23, is district extension agent with Colorado State college, Ft. Collins, Colo. He has been county agent at Montrose, Colo., and taught vocational agriculture nine years at Fruita, Colo. He and Cecile (McCorkle) Finch live at 511 S. Whitcomb, Grand Junction.

Glenn A. Aikins, Ag. '24, M. S. '31, is assistant foreman of the margarine department at Armour and company meat-packing plant, Kansas City, Kan. Last spring he received a \$250 award for the second best suggestion turned in by Armour employees from 27 plants during 1940. He has been with the plant there since 1934. His wife, Marjorie (Taylor) Aikins, f. s., University of Kansas, and he live at 3611 Wyoming street, Kansas City, Mo.

Glenn M. Reed, Ag. '25, has changed his address from Idabel, Okla., to Box 145, Hugo, Okla. He is with the Soil Conservation service, in charge of the Kiamichi Soil Conservation district with headquarters at Hugo. During the summer he was stationed at Idabel where he was in charge of a physical and economics planning survey party. He returned to Hugo October 1.

Maj. Harry Dale Nichols, E. E. '26, has been instructor in the coast artillery anti-air corps at Third Area headquarters, Salt Lake City. He was a reserve officer and was called for service October 19, 1940, being on leave from the United States Bureau of Mines at Laramie, Wyo. During July and August he was at the command and general staff school, Ft. Leavenworth. His brother, Capt. R. T. Nichols, Com. '31, was called for service November 20, 1940, and is with the Seventh Bombardment

squadron, Ft. Douglas, Salt Lake City.

Irvin D. Wright, M. E. '27, and Lula (Jennings) Wright, '26, live at 60 Edmonston road, Berwyn, Md. Mr. Wright is associate mechanical engineer, Department of Management and Operations, Beltsville Research center. The Wrights' children are Clara Mae, 10, and Barbara Ruth, 8.

Floyd E. Carroll, D. V. M. '28, is veterinarian in the city health department service in St. Louis, Mo. His address is 4107 Miami street, St. Louis.

Mabel (Sellens) Smith, H. E. '29, is part-time teacher in the high school at Atchison. Her husband is John Smith, who is assistant county engineer in Atchison.

Kenneth D. Benne, G. S. '30, is now at the University of Illinois as assistant professor of educational philosophy. "I managed to raise both my salary and academic rank in moving here from Teachers College, Columbia University," he wrote.

Louise Barry, G. S. '31, is curator of manuscripts of Kansas State Historical Society library at Topeka. Her residence address is 717 Western avenue. On the executive committee of that society is Prof. C. M. Correll, Kansas State College.

Ronald Musser, G. S. '32, M. S. '33, is at the Farm Security administration office in Stockton. He was transferred there from Atwood, where he was succeeded by Elgie Jones, Ag. '40.

Robert E. Pfuetze, G. S. '32, M. D. '35 from University of Kansas, is now practicing in Topeka. He served his internship at Kansas University for the first year after his graduation, then one year's residence in surgery at St. Mary hospital, Kansas City, and one year in Chicago's Lying In hospital. For the past three years Doctor Pfuetze was surgeon in charge of the obstetrics division at the Presbyterian hospital, San Juan. He and Mildred (Ingham) Pfuetze have two children, Gretchen and Donald, and live at 1413 Plass avenue, Topeka.

Harold L. Anderson, I. C. '33, received his commission as captain in the U. S. Army in July. He has been working in the production department of Edgewood arsenal in Maryland. He supervises the manufacture of chemicals, gas masks and other war materials.

Three graduates of 1935 were recently transferred to March Field, Riverside, Calif. They are Lt. Richard E. Armstrong, P. E.; Lt. Dorwin C. Wright, Ag., and Lt. Paul F. Ragland, I. J.

Dr. Jewell Sarasohn, G. S. '36, visited in Manhattan late in September enroute from St. Louis to Ft. Riley, where he is a first lieutenant. He was chief veterinarian of the Missouri Humane society in St. Louis.

Virginia Appleton, I. J. '37, is city editor of the Manhattan Tribune and News, coming here from Salina, where she has been employed as society editor and feature writer of the Advertiser-Sun last year.

John Levin, Jr., E. E. '38, is at 1702 Military street, Port Huron, Mich. He is engineering inspector of naval materials with the United States Civil Service.

Kenyon T. Payne, Ag. '39, was among 851 students granted degrees by the University of Nebraska last spring. He received a master of science degree. Mr. Payne is a lieutenant in the United States Army at Parks Air college, East St. Louis, Ill.

John O. Harris, Jr., Ag. '39, received his master's in bacteriology from the University of Hawaii in Honolulu June 17. He is a graduate assistant in bacteriology at Kansas State College.

Merwin W. Myers, Mill. Ind. '39, is engineer with Beech Aircraft company, in Wichita. He may be addressed at 1010 N. Topeka, Wichita.

Frank Woolf, P. E. '40, is head basketball coach at Manhattan high school. Last year he coached at Lake-side-Vinland schools, Pueblo, Colo.

Robert J. Tindall, B. S. '40, is a private in Company C, Twenty-Sixth Battalion, Fourth platoon, E. R. T. C., Ft. Leonard Wood, Mo.

Manuel Morris, Arch. '40, is architectural draftsman and designer, 400 McDaniel building, Springfield, Mo.

Glenn C. Halver, D. V. M. '41, is with the Seventh Bombardment

LOOKING AROUND KENNEY L. FORD

Nine Attend Census Luncheon

Nine graduates of 1940 who are with the Bureau of Census in Washington, D. C., attended a luncheon June 16. Those present were Floyd W. Berger, '40; Gordon C. Green, '40; Edward G. Smercheck, '40; Gaylord G. Green, '40; Robert E. Marx, '40; Lester J. Hoffman, '40; William B. Ackley, '40; James T. Neill, '40; Wayne D. Morgan, '40; Donald B. Ibach, '23; and Hubert L. Collins, '23.

Chicago Alumni Picnic

C. L. Erickson, '27, has written a report of a picnic held by the Chicago group in June. It was attended by alumni and their families.

Those registering were F. M. Adair, '30; Richard C. Allen, '41; Fred Billings, '26; Harry E. Butcher, '14; C. L. Erickson, '27; Oleve (Manning) Erickson, '27; R. B. McIlvain, '25; C. M. Kopf, '30; John E. Newacheck, '41; Gerald Pickett, '31; H. M. Porter, '26; Frank Roth, '30; C. L. Zimmerman, '21.

At the picnic, Gerald Pickett was selected as the new president. M. C. Watkins, '22, is the new secretary-treasurer.

Western Kansas Picnic

Western Kansas alumni met at Scott County State park August 31 for a picnic. Among those present were Henry C. Kirk, '35, Scott City; E. Weir Hall, '24, Oakley; C. E. Elling, '32, and Mrs. Elling, Scott City; J. H. Kirk, '28, and Mrs. Kirk, Scott City; Kermit V. Engle, '31, and Mildred (Rathbun) Engle, '30, Lakin; Frank Howard, Jr., '41, Oakley; R. F. Hagans, '15, and family, Healy; Frank W. Howard, '19, Oakley; Georgia S. Hall, Oakley; Art Kirk, f. s. '41, and Marshall Kirk, Scott City; Dale Carver, f. s., Oakley; Roy E. Gwin, '14, and his children—Bette Ann, Ruth G., Francis, and Roy E., Jr., Leoti. The latter three are in school now.

Alumni Picnic in California

One hundred and twelve persons were present at the picnic for former residents of Manhattan, Riley county, and Kansas State students in Banning Park, California. They voted to make the gathering annual and Florence (Deputy) Haskell, f. s. '04, is to arrange next year's meeting. Anyone desiring a notice can write her at 711 Pacific avenue, Long Beach, Calif.

The names as they registered are: Myrtle Whaley Kimball, Ethel B. Fairbanks, Ray Baldwin, '13, Charles Eastman, '02, and Ethel (Bower) Eastman; Mr. and Mrs. John A. Rhodes, Ben R. Brown, f. s. '00, Dan A. and Blanch (Brown) Hogan; Charles L. Carman, Mrs. Minnie Cobb, Mr. and Mrs. Jack Gamble; W. C. Drake, '13, and Mrs. Drake; Charles and Myrtle (Paul) Gamble; Mr. and Mrs. A. A. Paige; Ethel (Cross) Hannon; Ida Rasmussen; Mr. and Mrs. Harlan A. Stanfield; Oneida Johnson; Mr. and Mrs. Will H. Wire; Prather Noble; Elizabeth M. Cropp; James and Joada Krowles; Mary Knox Walters; Fairy Wire Babcock.

Nell Beattie Ferree; Bertie Johnson Mills, f. s. '91; George Perkins; Prof. R. W. Clothier; Libbie (Blackley) Clothier; Sol Whitney, f. s. '04; Ralph Whitney, f. s. '00; Grace (Voiles) Whitney, '00; Mr. and Mrs. Lon Hardy; Mr. and Mrs. Fred Day; Mrs. J. W. Day; Mr. and Mrs. Dan Fleming; Mr. and Mrs. Marion Fleming; Mr. and Mrs. Fred Leonhardt, '01 and '02; Mable Fleming; Mrs. Jane Trask; Rose Hardy Webb; Mr. and Mrs. C. E. Winter; Nathan and Rita (Johnson) Davis; Mr. and Mrs. Cecil C. Krehbiel; Mr. and Mrs. Jim Harrod; Pamilia H. Mills; Henry E. Griffith; Lillian Martin; George L. Ashton; Jo Tobey Sager; Phyllis Davis; Elmer Kittell, '11; Mr. and Mrs. C. C. Dovia.

Mr. and Mrs. Floyd Allingham; Mr. and Mrs. Fred H. Dye; Mr. and Mrs. J. W. Spelman; Emma Arento Walters; Joe Myers; Blanch Brown Hoyt; Bernice O'Rourke; Tippy Abbott; Mr. and Mrs. C. A. Christensen; Dela (Chapman) Bruce; Mrs. J. T. Ryan and Mrs. Louise (Scheu) Ryan; Mr. and Mrs. Earle Dewey; Mrs. George Frank; Harry D. and Lillie (Oldham) Miller, f. s. '94; Mrs. Meda Streeter, f. s. '75; Edward and For-

rest Frank; Miss Lea Frank; Henry A. Avery, '02, and Mrs. Avery; Florence (Deputy) Haskell, f. s. '04; and Lottie (Crawford) Anthony, '02.

MARRIAGES

SCHMIDT—CLEVENGER

Virginia Schmidt, H. E. '41, was married to C. Bruce Clevenger, C. E. '39, June 8. Their address is Box 876, Bismarck, N. D.

ALLEN—RAWSON

Marjorie Allen, f. s. '39, became the bride of Wilbur Rawson, Ag. '40, June 28. They are in Barnes, where Mr. Rawson teaches vocational agriculture in the high school.

HALEY—SCHWARZ

Lucille Haley, P. E. '41, and William M. Schwarz were married July 3, 1941. Their address is 6517 Brookside, Kansas City, Mo. Mrs. Schwarz is a playground director in Kansas City.

HOLMAN—SHEBLAK

The marriage of Rosema Holman, H. E. '35, to Vernon Sheblak took place in Carson City, Nev., July 19. The bride had taught home economics since her graduation at Hope and Ness City, Kan., and at San Diego, Calif. Their address is 2727 First avenue, San Diego.

ELLISON—TEAS

Violet Ellison was married August 16 to Lloyd C. Teas, C. E. '41. The bride is employed in the office of Pres. F. D. Farrell, and Mr. Teas is employed as junior engineer for the Illinois Highway commission, Carbondale, Ill. After October 1, the couple will be at home in Carbondale, Ill.

ABSHER—MANSPEAKER

Julia M. Absher, I. J. '38, married Charles F. Manspeaker, Mill. Ind. '40, on July 6. The couple spent their honeymoon in California and are now at home in Ft. Casey, Wash. Mr. Manspeaker is a lieutenant at the fort. He is a member of Sigma Nu fraternity and she of the Alpha Delta Pi sorority.

COATS—SHERRILL

In Grace cathedral, Topeka, Helen Beth Coats, H. E. '39, became the bride of Tasker Bryan Sherrill, f. s. '41, June 3. The bride, a member of Kappa Kappa Gamma sorority, was graduated with honors. Since her graduation, she has been teaching in the Delphos high school. Mr. Sherrill, a member of Sigma Phi Epsilon fraternity, is employed by the Continental Oil company in Manhattan. He and his bride are at home in the Chelsea apartments.

WHITNEY—LOVGREN

Dorothy May Whitney, G. S. '37, and Dr. Robert E. Lovgren of Omaha, Neb., were married July 19. The bride, a member of Alpha Delta Pi sorority and Phi Kappa Phi honorary fraternity, had laboratory training at St. Louis City hospital. She has been employed in the Robert Koch laboratory in St. Louis. Doctor Lovgren, graduate of the medical school of the University of Nebraska, had a year's internship at St. Louis City hospital. Their home is at 2835 Colorado boulevard, Denver, Colo.

CORBETT—BECK

Helen Corbett was married to Vernon A. Beck, M. E. '30, at the St. Angeles rectory in Chicago on June 28. The bride was employed prior to her marriage by Sears, Roebuck and company as a private secretary. Mr. Beck, a member of Sigma Phi Epsilon fraternity, was connected with the Western Electric company at Chicago for several years after graduation. He is now a member of the firm of Lamicoid Fabricators, Inc., a bakelite and fiber concern located in Chicago. Their home is at 1719 North Mayfield avenue in Chicago.

RAGLAND—GEERY

The marriage of Emry Lou Ragland, f. s. '41, to Billy B. Geery, C. E. '41, took place August 12 in Hutchinson. The wedding took place after Mr. Geery's orders to report immediately for army service. Since his graduation, Mr. Geery has been engineer with a seismograph crew for Robert H. Ray, Inc., working in Texas. He is a member of Sigma Nu fraternity. As a second lieutenant, he is now at Camp Davis, N. C. Mrs. Geery, a member of Chi Omega sorority, was employed at the College this summer and will soon go to Camp Davis.

RECENT HAPPENINGS ON THE HILL

Members of the YWCA membership drive plan to visit more than 1,200 women this week before this year's annual drive ends. Beginning Wednesday at 5 p. m., YWCA women will make personal calls on other women students enrolled in the College.

After three days of pledge duties, some 30 advanced military students finally were formally initiated Saturday into Scabbard and Blade, national honorary military organization. The antics of the pledges, or animals as they were termed by their superiors, were performed from all corners of the campus nearly all times of the day.

Speaking at the first session of the Student Forums for this fall is R. Lester Mondale, minister of the All-Souls Unitarian church in Kansas City, Mo. Thursday noon Mr. Mondale will speak to college students on "Is it World Revolution?" He also will address students in journalism during the afternoon seminar. "Problems of a Religious Journalist" will be his subject for the second talk.

Responsibility for getting the dates, treats and electing the "King of Pep" will be on the girls Friday night when the Purple Pepsters, girls' cheering organization, stage their annual Gold Digger's varsity. Candidates for the royal office as nominated by the Purple Pepsters in their meeting last week are Harold Kalousek, Kansas City; Robert Handel, Napa, Calif.; David Lupfer, Laredo; Pierce Wheatley, Gypsum; and William Borland, Clay Center.

Girls in the Division of Home Economics forgot all studies from 7:30 to 9 p. m. Tuesday while they took the opportunity to know each other and the members of their faculty. Margaret L. Hill, Topeka, was general chairman for the home economics mixer. Edith Dawley, Manhattan, was publicity chairman. Kitty Marie Woodman, Independence, and Marie Montgomery, Hazelton, directed the skits presented, for which Harriet Holt, Ellsworth, was property manager. Patricia Beezley, Girard, president of the Home Economics club, introduced members of the home economics executive council.

BIRTHS

Catherine (Mitchell) Athey, Com. '35, and R. Elwyn Athey of 716 S. Jefferson, Junction City, have a son, Roderick Elwyn, born June 4.

A son, Alan Ray, was born to Olga (Larsen) Quackenbush, H. E. '34, and E. R. Quackenbush, May 3. Their home is 823 Lawrence, Emporia.

To Julia (Sawtell) Foley, H. E. '38, and Franklin C. Foley, 1071 Manthey street, San Leandro, Calif., a son, John Michael, born June 24.

Harry C. Johnson, Mill. Ind. '34, and Mrs. Johnson

2,000,000 CANDLEPOWER LIGHT WILL BE USED BY ENGINEERS

RED STAR MILLING COMPANY OF WICHITA MAKES GIFT

College Department Wants Searchlight for Experimental Purposes and for Annual Open House Ceremonies

After trying unsuccessfully to borrow, buy or rent a 2,000,000 candle-power Sperry searchlight from the Red Star Milling company of Wichita, the College recently obtained the powerful instrument, not as a loan, but as a gift from that company.

The Department of Electrical Engineering will use the light for experimental purposes. Eta Kappa Nu, professional electrical engineering society, will have charge of the searchlight and will use it at outdoor pageants and the annual Engineers' Open House.

WEIGHS MORE THAN TON

When College authorities attempted to borrow the light, J. B. McKay, manager of the mill, told them he could not let them have it, because it weighs more than a ton and the cost of taking it down and putting it back was too great. Upon being asked to rent the light, McKay again refused. The College then offered to buy it if the cost were not too great. McKay explained that it cost \$5,500 to install in the first place and he did not care to sell such an expensive instrument at a loss. Finally College authorities asked if he would donate the light to the College. McKay said yes.

The searchlight was installed on top of the Red Star head house in 1926. It has a three-foot revolving mirror which enables it to throw light in all directions. The brilliant rays of the light have been seen at Emporia, 100 miles from Wichita.

FAMILIAR WICHITA LANDMARK

A familiar landmark in Wichita, the light was the principal beacon of that city for many years. It was installed before airplane beacons became common over the countryside and was considered a great rarity.

Motorists on the highways and railroad engineers on incoming trains complained that the huge light blinded them so the Red Star company turned off the current and the light had not been used for three years prior to coming to Kansas State.

ENGINEERING SENIORS LEAVE SUNDAY FOR THEIR ANNUAL INSPECTION TRIP

Special Train Takes Approximately 160 and Six Instructors on First Leg of Journey

Seniors in the Division of Engineering and Architecture are on their annual inspection tour to Chicago, Milwaukee and St. Louis this week. Approximately 160 engineers and six instructors left on a special train Sunday and will return to Manhattan Friday night.

The group split up into departmental groups Monday and visited places in Chicago and Kenosha. In the afternoon, all went to the Museum of Science and Industry.

Agricultural, electrical and mechanical engineers with F. C. Fenton, professor and head of the Department of Agricultural Engineering, R. M. Kerchner, professor in the Department of Electrical Engineering, and Wilson Tripp, assistant professor in the Department of Mechanical Engineering, as departmental sponsors traveled to Milwaukee Tuesday and went through the Allis Chalmers Manufacturing company.

The architects under H. E. Wichers, associate professor in architecture, went to Racine, Wis., and inspected the Johnson Wax company.

After visiting the Chicago Bridge and Iron works and the pumping plant, 20 civil engineers and Prof. F. F. Frazier, of the Department of Civil Engineering, attended the Student Chapter conference of the American Society of Civil Engineers in Chicago.

Thirty electrical engineers and 25 chemical engineers accompanied by Professor Kerchner and Dr. J. W. Greene, assistant professor in the Department of Chemistry, plan to go to St. Louis where they will inspect a coke plant and a brewery.

Other places that will be visited by the seniors during the tour are the Shedd aquarium and Adler Planetarium in Chicago.

More Than on Their Toes



The above photograph, made by Prof. E. T. Keith of the Department of Industrial Journalism and Printing, shows two Kansas State players making a frantic effort to catch the football. Clicking his camera at the right moment, Professor Keith captured the players while they seemed to be floating in the air. The picture was taken during the Ft. Hays Kansas State College football game here September 27.

EIGHT CHANGES IN COLLEGE FACULTY ANNOUNCED BY PRES. F. D. FARRELL

C. M. Moeller and C. A. Pippin, Engineers, Are Called up for Duty with Army

Faculty changes including two promotions, one departmental transfer, one resignation, two appointments, and two leave of absences, have been announced at Kansas State College by Pres. F. D. Farrell after approval of the State Board of Regents. The changes include:

During the leave of absence for military service of C. M. Moeller, instructor in the Department of Civil Engineering, Frederick L. Gerke is appointed temporary instructor, Mr. Gerke's service began October 1.

C. A. Pippin, instructor in the Department of Mechanical Engineering and an officer in the United States Army Reserve, has been granted leave of absence, from his college duties, effective October 1, having been called into active military service.

Effective October 1, James W. Martin, instructor in the Department of Agricultural Engineering, was promoted to assistant professor in the same department to succeed E. L. Barger, resigned.

Effective October 1, Walter M. Carleton, instructor in rural engineering, Division of Extension, was transferred to the position of instructor in the Department of Agricultural Engineering to succeed James W. Martin, promoted.

Effective October 1, the academic rank of Karolyn Wagner, of the Department of Art, was changed from assistant to instructor.

Effective October 1, Molly Geddes was employed as technician in the Department of Food Economics and Nutrition.

HOME ECONOMICS MEAT JUDGING TEAM WINS FIRST PLACE AT WICHITA SHOW

For Ninth Consecutive Year, College Girls Capture Top Honors in National 4-H Competition

The home economics meat judging team representing Kansas State College won first in the Kansas National 4-H Fat Stock show in Wichita, last Wednesday. This is the ninth consecutive year that the team from Kansas State College has placed first in the show.

Members of this year's team were Petrena Addington, Altoona; Freda Butcher, Coldwater, and Helen Drake, Corbin. D. L. Mackintosh, associate professor in the Department of Animal Husbandry, was coach.

Individual scorings included: Peggy Jane Owen, Oklahoma A. and M., first in the entire contest; Freda Butcher, second, and Helen Drake, third.

The judging included beef, pork, lamb, and identification of wholesale and retail cuts of meat. The contestants had to be able to identify retail cuts and tell the wholesale cuts from which they were derived and to give two methods of cooking.

Brubaker Visits Campus

L. H. Brubaker, '29, visited the campus last week. Mr. Brubaker is engaged in making electrical tests on the destroyers at the navy yard in Charleston, S. C.

MARCILE NORBY, CULLISON, NAMED CHAIRMAN FOR HOSPITALITY DAYS

Mary Cawood, Wetmore, Will Be Sub-Chairman of Divisional Open House April 10 and 11

General chairman for Hospitality Days, Division of Home Economics open house, April 10 and 11, will be Marcile Norby, junior from Cullison, Mary Cawood, sophomore from Wetmore, will be sub-chairman.

College students and faculty, club women, townspeople of Manhattan and high school senior girls from throughout the state will be guests of the division during this annual event.

Miss Norby has announced the appointment of 14 women to the steering committee and their positions. They are:

Beth Stockwell, Manhattan, contest chairman; Rachel Wagaman, Emporia, decorations chairman; Drusilla Norby, Pratt, banquet chairman; Marguerette Schlotzhauer, Bucyrus, program chairman; Helen Stagg, Manhattan, registration chairman; Edith Hanna, Manhattan, tea chairman; Carol Stevenson, Oberlin, Hop chairman; Helen Pierpoint, Benedict, hostess chairman; Ina Palmer, Sabetha, badge chairman; Katharine Gentry, Salina, tours and guides chairman; Margaret Bayless, Wakarusa, publicity chairman; Margaret Hill, Topeka, radio chairman; Jean Alford, Kansas City, Mo., exhibits chairman; Emma Lou Thomas, Hartford, budget chairman.

EVERYDAY ECONOMICS

By W. E. GRIMES

"The nature of the farming industry is such that any sustained prosperity must come from stabilized industrial and farm production and enlarged markets for the products of farms."

The nature of the farming industry is such that any sustained prosperity must come from stabilized industrial and farm production and enlarged markets for the products of farms. Reducing market supplies of farm products may help in emergency situations, but as a long-time policy such action cannot bring prosperous conditions to those who farm. This is true unless the nation is willing to definitely limit the number who may engage in the production of farm products.

If supplies of agricultural products are curtailed, prices tend to go up. But the increase in price may not be sufficient to offset the reduction in the quantity marketed and the net result is no increase in income. Furthermore, there is an ever-present tendency for the number of people

BETTY HATHORN, FRESHMAN REIGNS AS 1941 QUEEN OF AG BARNWARMER

Leavenworth Co-ed Receives Her Crown from Dean L. E. Call; Matt Bettom and Orchestra Supply Music

Crowning of Betty Hathorn, Leavenworth, Chi Omega freshman, as queen was the high light of the annual Ag Barnwarmer dance in Nichols gymnasium Saturday night. Miss Hathorn received her official crown from Dean L. E. Call of the Division of Agriculture.

Attendants of the Barnwarmer queen were Esther Ann Weeks, Ft. Scott, Alpha Delta Pi; Dorothy Foster, Wichita, Kappa Delta; Virginia Gemmill, Manhattan, Pi Beta Phi; and Jean Vasconcellos, Ellsworth, Independent Student Union.

Students in agriculture and their dates, dressed in overalls and cotton dresses, danced to Matt Bettom and his orchestra among corn shocks and pumpkins. Gaily decorated booths added color to the barnwarming.

Refreshments of doughnuts and cider were served. A total of 135 gallons of cider and 150 dozen doughnuts were ordered for the dance.

General manager of the Barnwarmer was Ronald Campbell, Cherryvale. Arlin Ward, Manhattan, was band chairman.

Vet students caught the Ag students off guard when they successfully kidnapped three of the Barnwarmer queens' escorts. After the "marooned" princesses were rescued in time to attend the crowning of Miss Hathorn, the missing escorts showed up after a nine-mile walk to town. Co-operation of a member of the Manhattan police force was enlisted in the carrying out of one kidnapping. The mayor and police chief later apologized to College officials, explaining that the participation of the officer was unauthorized.

KANSAS STATE SQUAD PREPARES FOR SOONER CONTEST SATURDAY

WILDCATS LOSE, 35-0, IN CLASH WITH MISSOURI

Athletic Officials Expect Approximately 15,000 for Parents' Day Game in Manhattan This Week-end

The Kansas State Wildcats, who lost their first conference game of the season, 35-0, to the University of Missouri Tigers last Saturday, were preparing this week for their tilt next Saturday with the University of Oklahoma in Memorial Stadium.

Athletic officials expect a crowd of 15,000 persons to attend the Parents' Day game in Manhattan this weekend. The Sooners, who hold a 12-10 edge on Kansas State in wins and losses of previous grid battles between the two schools, will come to Manhattan as the favorite team and are primed to add another victory to their string.

SOONERS HAVE EDGE

Kansas State College has not beaten Oklahoma since 1934, when they won their only Big Six championship. Since that time, the Oklahomans have won five and have tied one game with the Wildcats.

Several Kansas State squadmen were unable to report for practice Monday night because of injuries received during the game Saturday. Mike Zeleznak, stubby quarterback from Kansas City, who carried the mail on the first Kansas State drive late in the second quarter, received an injured knee not long after the last half started. Ed Huff, 215-pound guard from Marysville, is in the hospital with a bad knee. Bill Engeland, Sterling, a promising sophomore end, is out of uniform with a boil on his arm.

PASSING ATTACK CLICKS

Missouri's passing attack clicked all through Saturday's game, accounting for four of the five touchdowns scored. In the first quarter, after the Tigers had scored two points on a safety, Bob Steuber, Tiger back, passed to Bert Eckern who ran 40 yards for the first touchdown.

In the second quarter the Missourians scored again, this time on a lateral pass from Adams to Steuber. In the third period, the biggest of the game, the Tigers scored on another lateral and again on a punt runback. In the final quarter, a 45-yard heave from Ice to Wade in the end zone accounted for the last tally of the game.

	K.S.	M.U.
First downs	16	15
Yards gained rushing (net)	169	222
Forward passes attempted	24	13
Forward passes completed	7	3
Yards by forward passes	59	120
Yards lost, attempted forward passes	0	0
Forward passes intercepted by	3	2
Yards gained, runback of int. passes	10	18
Punting average (from scrimmage)	35.3	46
Total yards, all kicks returned	99	86
Opponents fumbles recovered	1	0
Yards lost by penalties	60	70

WARREN TAYLOR OF I. S. P. IS CHOSEN FRESHMAN HEAD

Greeks Elect Vice-President and Treasurer in Spirited Election

Warren Taylor, Manhattan, was elected president of the freshman class last week. Taylor, independent candidate, defeated his Greek opponent, William Adams, Manhattan, by 11 votes in a spirited contest. Official count was Taylor, 199, Adams, a member of Sigma Nu, 188.

Gregg Chappell, Topeka, Pi Kappa Alpha, was elected vice-president. Chappell received 202 votes, and Virginia Larson, Wamego, independent, received 186. Amy Griswold, Manhattan, Chi Omega, is secretary-treasurer. Miss Griswold won 205 votes to 187 for John Pearson, Hazelton.

The latter two officers are the first Greek candidates to be elected by a freshman class since the Independent Student party at Kansas State College gained political power.

Co-op Conference Next Month

The impact of the war and national defense upon the co-operatives of Kansas will provide most of the topics for the annual Co-operative conference on the campus November 24 and 25. Ordinarily held in April, the conference has been moved up this year in order that those attending may report the conference program and discussions at annual meetings of co-operatives this winter.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, October 22, 1941

Number 6

TOPEKA CONFERENCE PLANS BETTER KANSAS NUTRITION

DEAN MARGARET M. JUSTIN HEADS
STATE-WIDE PROGRAM

Local Organization in Each Community
to Be Responsible for Popularizing
Intensive Health
Program

Under the leadership of Dr. Margaret M. Justin, dean of the Division of Home Economics, an intensive program of health through better nutrition is gaining impetus throughout the state.

The responsibility for this popularizing of nutrition will be borne by various local organizations in each community, it was decided at the state conference on Nutrition in Relation to National Defense Friday and Saturday in Topeka.

FOOD COSTS RISE

Aroused by the menace of rising food costs to the health of Kansas families, more than 350 invited representatives of civic and professional groups and leaders in fields of health, social service, education and home economics, attended this meeting which was planned by Dean Justin.

Twenty-five men and women from Kansas State College and Manhattan were present, nine of them taking part in discussion groups or in symposiums.

Statistics showing that such a program is essential to the nation's welfare were presented by Dr. Russell Wilder, of Rochester, Minn., chairman of the Committee on Foods and Nutrition, National Research Council. Doctor Wilder said that although some challenge the survey that 45,000,000 people in the United States are malnourished, that judged by the "gold standard" of nutrition, the figures would be nearer 90,000,000.

CHILDREN ARE UNDER-NOURISHED

The large proportion of under-nourished school children was pointed out by other speakers. In one county, 32 per cent of the school children showed serious defects and more than 92 per cent showed dental defects.

The conference favored an educational program on the values of foods and well-balanced meals, what food substitutes can be used and how foods may be prepared to conserve maximum food values. This program will be carried out both through the school system and through efforts of organizations to reach their members.

ASK HOME GARDENS

The tendency of farm families to sell milk, eggs and other products to take advantage of higher food prices and to buy inadequate substitutes for their own families was deplored by state health leaders, who urged the planting of home gardens and the conservation of foods by storage lockers and by canning.

HIGH RANKING FROSH CO-ED WILL BE HONORED THURSDAY

Mortar Board Sponsors Scholarship
Dinner in College Cafeteria

Mortar Board, senior women's honorary society, will honor the girl with the highest scholarship in last year's freshman class at the annual Scholarship dinner Thursday at 5:45 p. m. in the College Cafeteria.

One hundred fifteen junior girls scholastically eligible for Mortar Board membership also will be recognized at the dinner. This will be the first time such a recognition has been given.

Names of 68 girls from the Division of Home Economics, 20 from the Division of General Science, two from the Division of Engineering and Architecture and 25 transfer students will be read at the Hallowe'en dinner.

Mrs. Stanley Ginn, sectional director of Mortar Board from Aurora, Mo., will be the main speaker. Dorothy Beezley, president of Mortar Board, will be toastsmistress, and Vivian Marlow, Meade, will sing a solo. Ema Lou Bireline, Lewis, is general chairman for the dinner.

Will Initiate 25 Officers

Initiation of 25 junior cadet officers into Mortar and Ball, honorary society for advanced students in the Reserve Officers' Training corps, will begin today. Membership in the society is restricted to advanced military students in the artillery branch. The initiation will last four days.

COLLEGE CHAPTER OF PHI KAPPA PHI ELECTS 23 STUDENTS TO MEMBERSHIP

Dr. Mary T. Harman, Secretary, Announces List of Those Honored for Scholarship

Twenty-three students have been elected to membership in the College chapter of Phi Kappa Phi, national honorary scholastic society. The names of the new members of the society were announced Tuesday by Dr. Mary T. Harman, chapter secretary.

The list included five from the Division of Agriculture; four from the Division of Engineering and Architecture; six from the Division of General Science; six from the Division of Home Economics; two from the Division of Veterinary Medicine.

Those elected and their respective divisions:

Division of Agriculture—Floyd William Smith, Shawnee; Homer Samuel Myers, Salina; Raymond Ruben Rokey, Sabetha; Howard Leon Carnahan, Parsons; Harvey Reuben Kopper, Ingalls.

Division of Engineering—James Merton Boyer, Jr., El Dorado; Wallace Wayne Wittenberger, Marysville; George J. Fetters, Topeka; Dennis Gordon O'Neill, Ransom.

Division of General Science—Keith Wallingford, Manhattan; Charles Jerome Glotzbach, Paxico; Ruth Mary Cole, Winfield; Raymond Orville Keltner, Hoisington; Philip Gibbs Kaul, Holton; Marjorie Jane Rogers, Manhattan.

Division of Home Economics—Dorothy Grace Beezley, Girard; Shirley Ann Pohlenz, Freeport; Helen Florence Reiman, Byers; Rachel Phebe Wagaman, Emporia; Louise Joyce Willmeth, Troy; Beatrice Marie Montgomery, Hazelton.

Division of Veterinary Medicine—Donald Keith Christian, Manhattan; Quentin Ellsworth Jeppesen, Garden City, Minn.

FOOTBALL PLAYERS OF 1931 WILL BE GUESTS FOR HOMECOMING CELEBRATION

Alumni Luncheon Saturday Noon and
Reunions on Gridiron to High-Light Alumni Program

Football players of the 1931 season are being invited back to be honored guests at the Homecoming game against Nebraska November 1. The Department of Physical Education and Athletics each year pays tribute to the gridiron heroes of a decade ago by asking them to come to Manhattan for the Homecoming game.

Hundreds of other College alumni will return to Manhattan for the traditional Homecoming activities.

An alumni luncheon, at which speeches will be banned, will be given graduates and former students at noon Saturday. Hal W. Luhnow, '17, Kansas City, Mo., president of the College Alumni association, will preside. After the football game in Memorial Stadium, alumni will go on to the playing field to gather around their class banners in a new Homecoming feature.

Organized houses plan their traditional decorations this year and students are preparing to select a Homecoming queen who will be presented between halves of the gridiron contest.

Other high spots of the Homecoming program include the annual "K" fraternity dinner in Thompson hall Saturday night and special gatherings at organized houses for returning alumni.

Dr. L. F. Smith in Arkansas

Dr. L. F. Smith, former professor of forestry at Kansas State College, is now in charge of the Reforestation station at Creston, Ark.

STUDENT BODY'S AVERAGE AGE IS APPROXIMATELY 20 YEARS

PRESENT GROUP IS YOUNGER THAN
1935 CLASSES

Typical Man Taking Graduate Work Is
Just Over 26 While Women In
Same Division Are Three
Years Older

The average undergraduate student is younger than the typical student here in 1935, according to a survey made by Miss Jessie McDowell Machir, registrar, during enrollment week. This age survey, the first made since 1935-36, was released last week.

The average age for undergraduate men this year is 20.34 and for undergraduate women is 19.96 years. In 1935 the average age for men enrolled was 20.6 and for women 20.1 years.

GRADUATE STUDENTS YOUNGER

While the average for undergraduate students is decreasing, the average age for graduate students also is decreasing. Graduate men average 26.16 years, and the women average 28.94 years, but in 1935 the age for graduate men averaged 28.3 and the women averaged 29.5 years.

Dr. J. E. Ackert, dean of the Division of Graduate Study, believes the higher average of graduates in 1935 was due greatly to the depression. At that time, the carry over of the depression caused many people without jobs to take graduate work, partly because they had nothing else to do, the dean explained. In 1941, jobs are plentiful, and students who have been out of school for several years are working. Consequently, they do not wish to give up good jobs to return and take up graduate work.

MOST ARE 20 YEARS OLD

The ages of students at Kansas State College today range from 16 years to 52 years, with the largest number of students being between the ages of 18 and 21. There are 3,650 undergraduates enrolled in school, of whom 798 are 20 years of age, 742 are 18, 736 are 19, and 561 are 21.

Of the 126 graduate students the largest number, 23, are 23 years of age.

COLLEGE LIVESTOCK TEAM PLACES FIFTH AT ROYAL

Frank Marcy, Milford, Is First in Sheep Competition

The College livestock judging team placed fifth, in a field of 100 contestants, last Saturday at the American Royal Stock Show in Kansas City, Mo.

Team members who placed were Frank Marcy, Milford, first in sheep and second in hog judging; Harold Peterson, Bridgeport, third in cattle judging; Jay Griffith, Clayton, seventh in horse judging; and George Wreath, Manhattan, eighth in sheep judging.

The team as a whole placed third in hog judging and fifth in sheep judging.

MORE THAN THIRD OF STUDENTS COME FROM FARM HOMES, SURVEY REVEALS

More than one-third of the students at Kansas State College come from farm families, it was announced today by the registrar, Miss Jessie McDowell Machir.

A tabulation released by Miss Machir showed that 1,358, of the total 3,774 enrolled, listed "farmer and stockman" as the occupation of their parents when the students registered. This figure, however, was not representative of the proportion of the students enrolled in the division of agriculture, less than one-sixth of the students being registered in that division.

The next largest occupational group for parents was "housekeeper," which included 171; the "salesman and agent" group was third with 161; then "instructor and educational worker" with 137, "merchant" with 136, "railway and transportation employee" sixth with 115 and

COLUMNIST IS "DUNKED"

Terry Dougherty, Manhattan, author of one of the two gossip columns in the Kansas State Collegian, student semi-weekly newspaper, was "kidnapped" last week by a group of students in the Division of Agriculture and thrown in the horse tank on the campus. Dougherty has made disparaging remarks about the Ag Barn-warmer which the students resented.

MANHATTAN THEATRE WILL PRESENT "THE MALE ANIMAL" THIS WEEK-END

Joe Jagger and Betty Jeanne Sharp Play Leading Roles of Faculty Couple

The Manhattan Theatre will present "The Male Animal" as its first production of the year Friday and Saturday nights in the College Auditorium.

In a Midwestern university setting, Joe Jagger, Minneapolis, plays the part of a professor confused by the various activities of the weekend of a college football game. He believes his wife, played by Betty Jeanne Sharp, Kansas City, is in love with another man.

Supporting roles in the play, which is directed by Walter Roach, assistant professor in the Department of Public Speaking, are played by Barbara Bouck, Manhattan; Phil Smith, Manhattan; Alfred Huttig, Kansas City; Keith Thompson, Wichita; E. L. Kistler, Manhattan; Harold Vicory, Greenleaf; Doris Shull, Kansas City; Jimmy Porter, Fredonia; Margaret Reissig, Topeka; Katherine Savage, Parsons; and Marianna Johnson, Potwin.

In charge of properties are Mary Louise Johnston, Manhattan; Betty Brass, Wilmore; Margaret Wiley, El Dorado; and Carol Stevenson, Oberlin.

Members of the lighting crew are O. D. Hunt, Kenneth Lewis, Arlington, Va.; Wilbur Hole, Topeka; William Swim, Wichita; and Vernon Peterson, Weskan.

WOMEN'S MEAT JUDGING TEAM WINS AMERICAN ROYAL'S HIGHEST HONORS

Co-eds Capture First Place for Second Consecutive Year by Defeating Oklahoma

The Kansas State College women's meat judging team won the dual meat judging and identification contest at the American Royal Livestock show in Kansas City Tuesday for the second time in two years.

They won over the meats judging team from Oklahoma A. and M. college, runner-up.

High individual score in the contest was made by Petrene Addington, Altoona, who scored 944 out of a possible 1,000 points in the judging and identification of the different cuts of meat. In judging, she tied with a team mate, Helen Drake, Corbin, with 188 points. Freda Butcher, Coldwater, was the other member of the team.

STUDENT UNION BUILDING SITE IS APPROVED BY STATE BOARD

LOCATION WILL BE SOUTH OF ENGINEERING HALL

Actual Construction May Be Delayed Because Specialty Priority Administration Fails to Grant Permit

The State Board of Regents has approved the site of the proposed Student Union building south of Engineering hall, but actual construction can not begin until a lease of the land and a building contract are made.

When a satisfactory lease and contract have been made, construction may be further delayed by the Specialty Priority Administration board. SPAB makes it impossible for non-defense corporations and businesses to obtain some construction materials during the national defense emergency without being declared a defense project. State Architect Roy W. Stookey said the defense priorities are likely to cut in half a million dollar state building program authorized by the 1940 legislature.

ARRANGING FOR LEASE

Though materials for the Kansas State College building program probably will not be available for some time and despite possible delays in obtaining construction materials, the Student Union association is working on a lease from the state of the land to be occupied by the building and a contract for the construction.

Dr. W. E. Grimes, association secretary, pointed out last week that it will take time to draw up a contract that will be workable for the next 20 or 25 years. Every detail must be carefully checked before a contract can be drawn up and signed.

GRIMES REGRETS DELAY

The association, said Doctor Grimes, regrets the fact that students are paying their fees for the student center without getting to use it, and that it is taking so long to clear up details.

"This work won't turn a spade of dirt or cut a single stone," he said, "yet it is the foundation of the whole building program."

KEITH JONES APPOINTED

A new member of the building association, Keith Jones, Penalosa, was appointed by Pres. F. D. Farrell to fill the vacancy left when K. B. Lucas, Manhattan, did not return to school this fall. Jones represents the class of 1943. He was among those recommended by the sophomore class officers when appointments to the board were made last spring.

The purpose of the association is to lease parts of the campus from the State Board of Regents and construct and equip a fire proof Student Union building and one or more student dormitories. The union building will be financed through the \$5 a semester fee and the net surpluses of the dormitories are to be used to pay for their construction and equipment.

FIRST ISSUE OF ENGINEER IS DISTRIBUTED THIS WEEK

Publication This Year To Have 32 Pages and Three-color Cover

The first issue of the 1941-42 Kansas State Engineer was distributed the first part of this week.

This year's magazine includes a three-color cover, a new feature, and is much larger than in previous years. Each issue this year will contain at least 32 pages. In other years, the average number of pages was 28, with an occasional 32 for a special issue.

The Kansas State Engineer is the official publication of the Division of Engineering and Architecture.

Cech to California

Dick Cech, I. J. '41, was to report Wednesday for active duty in the United States Army at Riverside, Calif. Mr. Cech, a second lieutenant in the reserves, had been employed by the Mercury-Chronicle, Manhattan.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKREY Editor
HILLIER KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni Association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, OCTOBER 22, 1941

COLLEGES AND THE INDUSTRIAL CLASSES

It will soon be 80 years since the Congress passed and President Lincoln approved the Morrill act authorizing the establishment of the land-grant colleges to provide for the "liberal and practical education of the industrial classes". Something of the extent to which college instruction is now being provided for these "classes" is revealed whenever a land-grant college compiles data on the occupations of the parents of its students.

A recent tabulation shows the occupations of the parents of 3,774 students enrolled at Kansas State College for the first semester of 1941-'42. Farmers, numbering about 1,400, are the largest group. The 86 other occupations represented include architects, blacksmiths (the father of the author of the Morrill act was a blacksmith), cooks, dressmakers, electricians, engineers, furriers, manufacturers, machinists, millers, miners, plumbers, shoemakers, stone masons, upholsterers and many others. These parents are a cross section of the industrial population of America, the men and women who, as the Book of Ecclesiasticus says, "shall maintain the fabric of the world".

Similar tabulations from all types of present day American colleges would give similar results. It was not always so. Eighty years ago, only the sons (not the daughters) of the professional classes and of the so-called aristocracy went to college, save in exceptional instances. The land-grant colleges were pioneers in the development of college education for the sons (and the daughters) of the industrial classes. Thanks to the success and popularity of the land-grant institutions, the doors of virtually all American colleges are open now to any student who is able and willing to make good use of collegiate educational opportunities.

WORLD ATTITUDES TOWARD MARRIAGE

Men all over the world come in all shapes, sizes, and shades of white, brown, and black. Their hair may be straight, wavy, or kinky. They speak a bewildering variety of languages. They build different kinds of houses, eat varying kinds of food, wear all sorts of odd clothing, live by different standards, and worship different gods. But one thing men have in common: sooner or later most of them get married. In itself marriage seems a simple enough matter; yet it brings all sorts of troublesome problems in its wake.

There is the mother-in-law business for one thing. How to act toward one's mother-in-law is a problem in any society. In some, it is solved in what seems a sensible manner: a man has nothing at all to do with his mother-in-law. A Crow Indian avoids his mother-in-law, and she shuns him with equal thoroughness. He does not speak to her and in conversation does not mention her name. This is not because they dislike each other—on the contrary, they respect and may like each other very much. Their avoidance is simply one way of preventing conflict.

Among the peoples of the world, one finds a great variety, as well as a similarity, in customs relating to marriage and kinship. Some societies count descent through women in-

stead of men. In such groups it is common for the disciplining of children to be in the hands of the mother's brother rather than the children's father. Among the Creek Indians it was unthinkable for a father to punish his child; this was always left to the mother's brother, who maintained a strong interest in his sister's children and saw to it that they behaved properly and obeyed their parents.

Every society sets up rules as to whom one cannot marry. With us these rules apply only to close kin. Other peoples extend such regulations to more remote relatives and in addition specify the person one must marry. A common practice is called the sororate, whereby a widower is expected to marry the sister of his deceased wife. But the people who are most explicit in restricting the choice of a man's spouse are probably the Aranda tribe of Australia, whose kinship practices have intrigued anthropologists for years. Among the Aranda a man normally marries his mother's mother's brother's daughter's daughter (his second cousin). This seems a complicated arrangement, though the Aranda finds it natural enough.

However, a stranger custom associated with the family is the convade. Under this plan, when a woman has given birth to a child she gets up shortly after and goes about her daily work as well as she can, while her husband is confined to bed to lie in comfort and receive visiting friends. This curious practice is found in widely separated parts of the globe. It was followed by the Basques of the Pyrenees until a century or so ago, and is found among the Brazilian Indians, who believe that any deviation from this tradition would bring sickness to the new-born babe.

In every community the family is a universal element. The problems it must face in maintaining itself and in caring for and educating children are much the same over the world, although the ways these problems are solved and the customs associated with family life may vary greatly.—Alexander Spoehr in Field Museum News.

HOW THE EARTH WAS BORN

The earth came into being as a product of the sun, or of that particular sun, to be precise, which among all the unreckonable suns flaring through the void happens to be the one that now warms our bones and grows our cabbages.

The exact way of the birth has been variously guessed at. Laplace envisaged the sun as once a mass of light hot gas five billion miles in diameter, whirling around a nucleus which is the present sun and cooling as it whirled. With cooling and contraction the gas formed rings, and these, breaking in fragments, resulted in that rhythmic whirl of particles which is our solar system.

Before and since Laplace's day there has been many another hypothesis advanced. Doubtless the simplest theory was the late Bishop Ussher's pious calculation that the earth sprang into life ex nihilo, by fiat of God, in the year 4004 B. C., while the most elaborately formulated and generally accepted is doubtless the Moulton-Chamberlin hypothesis or one of its variants.

This theory holds that at an ancient date, some thousands of millions of millions of years ago, a great star passed quite near the sun. By gravity it pulled at the sun's hot gas, raising a tide that was in time stretched forth from the sun's body like an arm, and, in further time, was broken off. The parts of the detached mass, attracted both by the sun and by the passing star, were set to revolving; of various densities, the parts of the mass became nebular knots that are now the earth and the other planets.

In the future there will doubtless be revisions of this conjecture; but astronomers think the core of it is sound and that it does present, in essence, a correct chronicle of our long-ago genesis.—Alan Devoe in the American Mercury.

BIRDS DO NOT SING

Birds sing we say, but this is a mistake. Birds do not sing, they speak; and what we take for their singing is nothing more than their own natural language. What makes us say that birds sing is the music of their voices. Such singing, however, is always an intended speech, which belongs to the

SCIENCE TODAY

By E. H. HERRICK
Professor, Department of Zoology

There are popular fads and fashions not only in up-side-down hats and odd numbered bridge cards but in foods and imagined disorders of the body.

Calories at one time held the spotlight but are now so commonplace they are treated with respect but without excitement. Consumption of vitamin tablets is pretty well dominating the food fashion at present. Without finding out what vitamins are more likely to be deficient in one's diet or receiving professional advice about kind or quantity needed, millions of dollars are being spent annually in this country to satisfy this urge to be in fashion. Nutritionists know the importance of this type of food element, but at the same time they advise finding out what is needed and supplying that need on a reasonable basis.

Probably a fad is approaching that will equal or even surpass the present interest in vitamins. Since certain abnormalities associated with ductless gland disorders are so striking in appearance, many cases of imagined disorders may result. Our information on ductless glands is still relatively new but even now gland products are appearing on the market that are being consumed without medical advice. In many of these cases, the general practitioner or even an endocrine specialist might have difficulty in making a diagnosis. The peak of ductless gland enthusiasm probably will come after a few more years. Regardless of fads, fashions and opinions, our ductless glands will go ahead with their important work; work that is essential during our entire lifetime.

The general plan of development of any creature is controlled by its inheritance pattern. There are many determining elements to this pattern but they are subject to considerable modification by external factors such as nutrition and by internal factors including secretions from the ductless glands. These glands are associated with so many processes that normal physical, mental and emotional development are impossible without them. Although glandular secretions or hormones are produced within the body, we may regard them broadly in terms of necessary nutritional substances.

In most glands the relative quantity of the hormone produced is of great importance even though the actual quantity is small. Too little pituitary growth hormone will result in dwarfism, whereas too much will produce a giant. A few grains of thyroxine is adequate for a whole

arcana of nature. And it seems comical enough that there should be in this clangent world, never so raucous and unmelodious as at present, so numerous a body of creatures which cannot speak in any way except tunably and musically.—T. F. Healy in Coronet magazine.

IN OLDER DAYS

From the files of The Industrialist

TEN YEARS AGO

Leila (Kent) Black, '17, was the new principal of the Home Economics department at Haskell Institute. Lora Mendenhall, '19, was an instructor in the department.

Irvin Peffley, '25, addressed the weekly engineers' seminar, using as his subject "The Public Utility Field for Civil Engineers." Peffley was maintenance engineer for the Public Utilities company of Colorado with headquarters in Denver.

Prof. F. C. Fenton of the Department of Agricultural Engineering was in Salina to speak before the Kansas Association of Municipal Utilities. The subject of his address was "Rural Electrification." Professor Fenton was secretary of the Kansas committee on the relation of electricity to agriculture.

TWENTY YEARS AGO

Bella M. Nelson, '18, was head of the Home Economics department of the Central College, Lexington, Mo.

Dr. Kary C. Davis, '91, professor of agriculture in the George Peabody College for Teachers, Nashville, Tenn., visited Prof. Albert Dickens, '93, and was initiated into Phi Kappa

year's supply, but in a child if even this small amount is not available, mental and physical development will cease or be impaired. Too active a thyroid results in over-stimulation causing nervousness or even marked mental disorders. If parathyroid secretion is lacking, the bones will not store calcium to harden them; if an oversupply is present, calcium will be withdrawn leaving poor bone structure in either case. The proper amount of insulin is also important even when it is supplied artificially. Too little or too much insulin may readily result in coma. The economy of having a natural supply of insulin produced is evident when we find that enough insulin to utilize one pound of sugar, if supplied artificially, may cost about \$7.

In a few disorders, glandular products can be supplied or other treatment is helpful. Insulin in diabetes is a typical example of "substitution therapy". Supplying iodine is sometimes all that is necessary to correct certain thyroid disorders. In other thyroid cases, surgery is the only effective treatment. In Addison's disease, the hormone from the adrenal cortex often gives relief but it is now known that careful regulation of sodium and potassium levels is equally important. Some cases of obesity are fairly readily corrected by giving thyroid hormone, but some of the more extreme cases are doubtless caused by a pituitary deficiency. When the pituitary gland is at fault treatment is often difficult. The pituitary produces a number of hormones and a specific one has not been isolated that will correct obesity although some headway has been gained in this direction. Stimulation of lactation is now successfully accomplished in a few clinics by giving a pituitary hormone. Supplying pituitary growth hormone has been effective in stimulating growth in some children that likely would have remained below normal in height without the treatment.

Some phases of endocrinology already are well established in medical practice and additions are being made rapidly. However, clinics in this country with adequately trained personnel and laboratory facilities for extensive diagnosis and treatment are very few in number. Progress in this limited number of clinics indicates that specialists in endocrinology will become more numerous and will be better equipped to take their places in this new but important branch of medicine.

If it becomes the fashion to have more and better endocrine disorders in the future, the medical profession will be equipped and trained to treat these cases sanely.

Phi, scholarship society.

Clyde McKee, '10, was professor of agronomy at Montana State College, and agronomist for the experiment station, Bozeman, Mont. H. R. Sumner, '16, was associated with him in his work at the experiment station.

THIRTY YEARS AGO

L. B. Mickel, '10, was manager of the Springfield, Ill., branch of the United Press.

H. M. Thomas, '98, was manager of the collection department of the J. I. Case Manufacturing Company, Racine, Wis.

Donald Jones, '11, was chosen assistant plant breeder in the University of Arizona. He was in charge of irrigation plots in the desert, besides several smaller plots and greenhouses at the university.

FORTY YEARS AGO

Ed. H. Webster, '96, was assistant in dairying at the Iowa State Agricultural college.

Asst. G. O. Greene of the Horticultural department delivered an address on "Orchard Treatment" before an institute held in Junction City.

F. O. Popenoe, second-year student in 1881, former owner of the Topeka Capital, who was mining in the mountains of Costa Rica, was appointed by the president of that country to go to Paris to negotiate a loan.

FIFTY YEARS AGO

The Rev. E. R. Brown of Topeka was a visitor at the College and led the chapel exercises.

Doctor Mayo entertained students,

faculty and visitors in a half hour's talk on the mystery of life in its various forms, with a brief account of the Brown-Sequard experiments and resultant elixir.

Prof. A. S. Hitchcock, elected to the chair of botany in this College, was a graduate of the Iowa State Agricultural college. He was for three years assistant in chemistry at Iowa university and spent two years as assistant in botany at Missouri School of Botany, St. Louis.

SIXTY YEARS AGO

M. H. Marckum was teaching a school near Winfield, Cowley county.

At the meeting of the Alpha Beta Society the question, "Resolved, That the war with Mexico was unjust," was debated by Mr. Deitz and Mr. Kern on the affirmative and Mr. Thackrey and Mr. Hopper on the negative. The decision was in favor of the negative.

KANSAS POETRY

Robert Conover, Editor

IT'S AN ILL WIND

By May Williams Ward

The flood tore out the cottonwoods From the lowlying flats nearby But the upland plum trees thought they were young Once more. As their dry roots soaked they flung New blossoms against the sky.

After war's torrent of hate and fear Will some fresh good at last appear?

May Williams Ward, Wellington, is a former editor of The Harp and author of three books of verse, including "From Christmas-Time to April," last written, published in 1938. Mrs. Ward is a graduate of the University of Kansas, where she was elected to membership in Phi Beta Kappa. She is now president of the Kansas Authors club.

SUNFLOWERS

By H. W. Davis

SHORT OF

I have been worrying my head off for days and days about what to do with those 20 Nazi prisoners we picked up in Iceland.

International law, so far as my keenest agents can find out, makes no provision for the disposal of prisoners captured in a short-of-war war. Not even the German embassy crew at Washington, D. C., has any suggestions. Officially they have not the slightest inkling our navy has interfered with Nazi plans to put up a radio station in Iceland.

It is fervently to be prayed that some solution of the problem be forthcoming before the Gestapo happens to pick up a score or two of our citizens somewhere. It would be just like Himmler to institute what you might call anticipatory reprisals and stand our countrymen up against a wall some bright and sunny dawn just in case. Then, no matter what we should decide to do with our prisoners, the Gestapo would be in the clear.

The trouble all comes from our getting mixed up in a short-of-war war before international lawyers had time to draw up rules and regulations for being at war when you are not—quite.

Our State department, I fear, slipped a little on that point. Secretary Hull should have dropped by at the White House some afternoon, picked up the President, and gone over to the German embassy for tea. There, in a polite and diplomatic way, they should have explained their intention of aiding Germany's enemies and doing everything in their power to exterminate Hitler short of pulling the triggers of guns they hoped to Heaven would play a leading role in such extermination.

Then they could all have gathered round a table and written out a few basic principles for short-of-war war, making provision for prisoners captured short-of-gunfire, the sinking of merchant vessels of a short-of-something nation sailing under the flag of an obliging friendly nation, the burning of munition factories, the encouraging of strikes, and a lot of other things sure to come up when nations are short.

It may not be too late yet for Secretary Hull to arrange such a call. I hope he does something before Hitler gets any ideas.

AMONG THE ALUMNI

May Secrest, B. S. '92, 2519 Rose walk, Berkeley, Calif., has retired as assistant professor in the Extension division, College of Agriculture, University of California, Berkeley.

Pearle (Turner) True, f. s. '01, visited the alumni office in September. Her home is at Route 2, Paxico.

O. A. Stevens, Ag. '07, and Julia (Monroe) Stevens, '04, live at Fargo, N. D. Mr. Stevens, who visited in Manhattan September 5, is associate professor in botany at North Dakota Agricultural college, and associate botanist at the experiment station there. A son, Dudley F. Stevens, is editor of Western Construction News, San Francisco, Calif., and another son, Lt. Gerald Stevens, is located at Ft. Snelling, Minn. Their daughter, Muriel, is assistant manager of the girls department in Kahns Department store, Oakland, Calif.

Wilma (Orem) Judy, B. S. '10, and her son, on a trip to Chicago, visited the campus September 30 as they were returning to their home at 461 E. Nicolet street, Banning, Calif. Mrs. Judy taught in the history department at Kansas State College from 1917 to 1921.

Stanley A. Smith, Arch. '13, Prof. Degree in Engng. '28, is head of the Department of Architectural Engineering and is the college architect at the State College of Washington, Pullman, Wash. He and Carol (Knostman) Smith, H. E. '22, M. S. '27, live at 408 Michigan avenue, Pullman.

James M. McArthur, Ag. '15, 4723 Baronne street, New Orleans, La., writes:

"I supervise science and nature study and gardening in the New Orleans public schools, also Smith-Hughes vocational agriculture and landscape all school board properties and the schoolgrounds. I am usually very busy but am very glad to see K. S. C. graduates when they come to town."

"We have 7 children—two sons in Louisiana State university, a boy and girl in high school, a girl in kindergarten, a baby daughter 18 months old, and a daughter working."

Charles D. Thomas, Ag. '17, is owner of the Thomas Land company, Tulsa, Okla., which owns, operates and manages farms and ranches in Oklahoma, Kansas and Texas. He is president and organizer of the Tulsa Farm club, which has a membership of 125 Tulsa business and professional men who own and operate farms and ranches. He and Helen (Held) Thomas, H. E. '16, live at 1323 E. Nineteenth, Tulsa.

Hattie Gesner, H. E. '19, manages the restaurant and the employee's cafeteria of the Boston Store in Milwaukee, Wis. She lives at 826 N. Cass Street, Milwaukee.

Walter B. Carey, G. S. '21, called at the alumni office during the summer while on vacation from the Cook Paint and Varnish company. He is in the sales and service department. He and Geraldine (Garrett) Carey have one daughter, Candace, 9. The Careys live at 1914 Swatzel road, Kansas City, Kan.

Cecil C. Holmes, Ag. '22, M. S. '29, and Eva Bee (Wilson) Holmes, G. S. '22, are at Grant, La., where Mr. Holmes teaches vocational agriculture. He has been vocational agriculture instructor at Miltonvale, Goff, Coats, and has been in Louisiana eight years. He visited in Manhattan in June.

W. F. Hearst, Ag. '23, M. S. '28, is retired and is living in Alma, where he has been teaching. He taught vocational agriculture in the Alma high school from 1920 to 1937.

F. E. Henderson, E. E. '24, and Mona (Rudy) Henderson, f. s., have two children—Patricia Ann is 11, and William D. is 8. The Hendersons live at 273 Nuttall road, Riverside, Ill. Mr. Henderson is electrical engineer with Western Electric company in Chicago, Ill.

Laureda (Thompson) Wakefield, H. E. '25, and her husband, Ray C. Wakefield, have moved from California due to his appointment to the Federal Communications commission, in Washington, D. C. Their home is at 8 Edgehill drive, Alexandria, Va.

Earl L. Hinden, G. S. '26, writes "we were living in Syracuse, N. Y.,

where I was employed as assistant scout executive, Boy Scouts of America. I was ordered to active duty last November and sent to the Infantry school at Ft. Benning, Georgia, transferred from there to Camp Walters, Texas, to command Company B, Fifty-Ninth Training Battalion in February to date." The address of Capt. and Mrs. Hinden at present is 403 N. W. Eleventh street, Mineral Wells, Texas.

Duard W. Enoch, F. M. E. '27, and Fern (Stewart) Enoch are at 795 S. LaSalle street, Chicago, Ill.

Helen E. Dean, G. S. '28, has been designated by Pres. F. D. Farrell to represent Kansas State College at the inauguration of President Smith of William Woods college, Fulton, Mo., October 28. Miss Dean is now a member of the faculty at the University of Missouri, Columbia, Mo. Her Columbia address is 209 Edgewood.

Ary W. Clark, Jr., f. s. '29, has been working for the Utah Power and Light company for about 10 years. While there he became a member of the United States Naval Reserve, receiving a commission of ensign through communication—amateur radio. He was called into active service April 6 and was among the first group of officers given training in the new Navy Communication school in Los Angeles. He is now assigned to duty on Johnston Island, some 700 miles west of Hawaii. The August 11 issue of Time magazine had an article about this island and some others which are newly dedicated to the Navy. Ensign Clark and Lillian (Quick) Clark have a daughter, Marian, 11.

Kenneth M. Hall, Ag. '30, visited the campus in September. He is employed by the Farm Security administration at Colby.

Roy H. McKibben, M. E. '31, and Marjorie (Mirick) McKibben, P. E. '29, live at 64 Park avenue, Bloomfield, N. J. They visited the campus during the summer. Mr. McKibben is design engineer in the air conditioning and commercial refrigeration department of General Electric company. He is concerned with the "cold" side of apparatus equipment. Mrs. McKibben is working in the physical therapy department of the New York Orthopedic hospital, New York City.

Ernest J. Underwood, C. E. '32, is in the water resources division of the State Department of Agriculture, Topeka. He and Edith (Ebbutt) Underwood are at 1195 Webster, Topeka.

Carmy G. Page, Ag. '33, is instructor of agriculture with the United States Indian service. He teaches vocational agriculture and supervises work on the school farm on an Omaha Indian reservation at Macy, Neb.

Ralph Dana Gage, P. E. '34, and Thelma (Humphrey) Gage, live at 304 Maple street, Ottawa. He is salesman for Illinois Powder Manufacturing company, "explosives—not face!"

J. L. McIntire, M. E. '35, and Lenore (Converse) McIntire, H. E. '35, may be addressed Silver Hills, New Albany, Ind.

Mr. McIntire writes, "We are sorry that we did not notify you of our moving from Kansas City to New Albany, Ind. I am working for the E. I. DuPont de Nemours company as a mechanical engineer in the erection of the Indiana Ordnance Works project, in the engineering department. We expect to go to Oklahoma about January 1, 1942, after completing this project. The Oklahoma project is another smokeless powder plant that will be constructed by DuPont for the government."

"My wife and I are the proud parents of a nine months old daughter, Kay Lynn. Richard F. Garinger, KSC, B. S. '37, is with the DuPont company here."

Rosa (Best) Sage, G. S. '36, is teaching in district 40 Stevens County School. Her address is Liberal.

Lt. George H. Eicholtz, Arch. E. '37, is stationed with the Eighteenth Coast Artillery, Ft. Stevens, Oregon. His address is Route 1, Box 120, Astoria, Ore.

Lt. J. C. Prentice, P. E. '38, is staff officer of the second separate chemical battalion and attached companies of the chemical warfare service at Edgewood Arsenal, Maryland. As operations and training officer, he is responsible for the proper functioning of field exercises and other forms of training. He was on leave in June to attend the wedding of his sister, Doris Prentice, '31.

Merton A. Rietzke, Ag. E. '40, is agricultural engineer at the soil conservation camp in Cadiz, Ohio.

Earl L. Hinden, G. S. '26, writes

LOOKING AROUND

KENNEY L. FORD

Peoria, Ill., Dinner

Kansas State alumni attending a dinner meeting at Peoria, Ill., October 7, were:

C. F. Bayles, '27, and Marian (Harrison) Bayles, '27, Pekin; Ila (Hall) Wells, '41, Eureka; Paul K. Fanning, '37, and Margaret (Glass) Fanning, '36; G. M. Longley, '23, and Josephine (Erickson) Longley, f. s., all of Washington, Ill.; J. Jay Curtis, '30; J. L. Deffenbaugh, '38; L. H. "Zane" Fairchild, '16; Kenneth D. Grimes, '31; Reuben M. Johnson, '27, and Mrs. Johnson; and John W. Pennington, '39, all of Peoria, Ill.

Kenneth Grimes had charge of the meeting at the Hotel Pere Marquette.

Urbana Alumni Meeting

Alumni meeting at Urbana, Ill., October 8, were Doris M. Smith, '39; Leonard M. Schruben, '39, and Abbie (Miller) Schruben, '40; Margaret Goodyear, '31; Ralph C. Hay, '32, and Vera (Kellogg) Hay; W. P. Hayes, '13, M. S. '18, and Louise (Jacobs) Hayes, f. s. '15; Kenneth D. Benne, '30; Evelyn (Colburn) Lamar, '25, M. S. '27; Leonard J. Miller, '39, and Marion (Tucker) Miller, '39; E. H. Regnier, '34; B. W. Gardner, Jr., '41; C. E. Mitchell, '39, all of Urbana. Alumni from out of town were Kenneth D. Grimes, '31, Peoria, Ill.; R. R. St. John, '17, M. S. '24, and Enid (Beeler) St. John, '18, of Champaign, Ill.; Christie Hepler, '26, Tuscola, Ill.; Clark K. Gibbon, '24, and Gladys (Alderman) Gibbon, f. s. '22, of Mattoon, Ill.

MARRIAGES

BOYLE—BENNETT

Doris Boyle, H. E. '38, was married to Don Bennett July 14. Their address is 1711 Pampas, Santa Barbara, Calif.

TAYLOR—THOMPSON

The marriage of Arlene Taylor, H. E. '41, and Clarence H. Thompson, Jr., D. V. M. '41, was June 8. Their home is at 1128 Kansas avenue, Topeka. He is the associate veterinarian at the Bower Animal Clinic and Hospital.

AUBEL—MCPEEK

Joanne Aubel, f. s. '41, and Raymond C. McPeek, D. V. M. '41, were married at the St. Paul's Episcopal church May 27. Mr. McPeek is with the Bureau of Animal Industry at Trenton, N. J. Their address is 224 Rosemont avenue, Trenton.

ALTWECK—NIQUETTE

Enid A. Altweck, I. J. '41, and Robert M. Niquette, Ag. '41, were married at the St. John's Evangelical church, Manhattan, August 24. They are at home at 511 N. Fourteenth, Manhattan, where Mr. Niquette is employed by Manhattan Ice and Cold storage.

FRICK—VLEET

Evelyn Frick, H. E. '41, and Gerald T. Van Vleet, Ag. E. '41, were married August 30 in the Presbyterian church, Manhattan. They are at home at 206 Columbia street, Council Grove, where Mr. Van Vleet is junior engineer in soil conservation. He is a member of Alpha Gamma Rho social fraternity, Steel Ring, and Blue Key.

MUCHOW—DUITSMAN

The marriage of Thula Mae Muchow, f. s. '41, and Wilbert W. Duitsman, Ag. '40, was August 21 in St. John's Lutheran church, Topeka. The bride is a member of Alpha Xi Delta sorority. Mr. Duitsman, member of Alpha Gamma Rho fraternity, is employed in Soil Conservation service at Lyndon, where they are at home.

SHULL—PYLE

Wilma Jean Shull, f. s. '41, and Lt. Robert H. Pyle, M. E. '41, were married August 23 in St. Barnabas Memorial church, Falmouth, Mass. Lieutenant Pyle was a member of Mortar and Ball, Steel Ring, Sigma Tau, and Pi Tau Sigma at Kansas State. He is in the 68th Coast Artillery. He is now on maneuvers in the South and Mrs. Pyle is visiting her sister in Miami, Fla.

SNEED—MURPHY

Royse P. Murphy, Ag. '36, writes "I was married on June 15 to Mil-

dred Sneed, graduate from the University of Minnesota in 1940. At the present time I am an assistant professor in the division of agronomy and plant genetics at the University of Minnesota. I received my Ph. D. on June 14 in plant genetics and a minor in plant pathology." Their address is 1460 Hythe, St. Paul, Minn.

GULICK—KUHN

The marriage of Alice Ruth Gulick, H. E. '40, to Gene J. Kuhn took place July 2. Mrs. Kuhn, a member of Clovia sorority, has been employed as home demonstration agent for Atchison county since her graduation. Mr. Kuhn was graduated last February from the University of Kansas. He is a member of Sigma Delta Chi, professional journalism fraternity. He is administrative assistant in charge of the information for the state organization of the National Youth administration. Their home is 332 Topeka boulevard, Topeka.

WREATH—STREETER

Martha Wreath, H. E. '41, and Charles L. Streeter, Ag. '41, were married August 30 at the United Presbyterian church, Manhattan. The bride, member of Mortar Board, national senior women's honorary organization, editor of the Who's Who's Who, state 4-H club annual, was listed in Who's Who in American Colleges and Universities. Mr. Streeter was a member of Collegiate 4-H club, Agricultural Economics club, and the Athenian Literary society, of which he was president. Since January he has been assistant rural rehabilitation supervisor with the Farm Security administration at Mound City, where they are at home.

HERR—LATTSCHAR

Laura E. Herr, H. E. '41, and Carl E. Latschar, I. Chem. '41, were married August 28 at the home of the bride's parents in Abilene. The service was read by Rev. B. A. Rogers, Manhattan. Mrs. Latschar was a member of Omicron Nu, honorary home economics sorority, and the Cosmopolitan club. Mr. Latschar was a member of Phi Kappa Phi, national scholastic honorary society, Phi Lambda Upsilon, honorary chemistry fraternity, and Pi Mu Epsilon, honorary mathematics fraternity. He, now a chemist in the State Feed Analyzing laboratory, is studying for his master's degree. They are at home at 412 Moro.

BISHOP—WALRAFEN

Maxine B. Bishop, H. E. '41, and Gerald William Walrafen, f. s. '41, were married August 17 in the Evangelical church, Abilene. Mrs. Walrafen is a member of Mortar Board, honorary senior women's society; Omicron Nu, honorary home economics organization, and Phi Kappa Phi, honorary scholastic society. Mr. Walrafen is a member of Steel Ring, engineering club; Scabbard and Blade, national military organization; American Institute of Architects, and was vice-president of the College Y. M. C. A. He is now employed as draftsman in the office of the construction quartermaster, Camp Funston. Their home is at 1429 Laramie, Manhattan.

Six to Dietetic Meeting

Six members of the Kansas State College faculty are attending the annual convention of the American Dietetic association in St. Louis, October 19 to 24. They include: Dr. Margaret M. Justin, dean of the Division of Home Economics; Prof. Bessie Brooks West, head of the Department of Institutional Management; Prof. Lucile Rust, Department of Home Economics Education; Dr. Martha M. Pittman, head of the Department of Food Economics and Nutrition; Miss Ella Jane Meiller, instructor in food economics and nutrition; and Miss Mary L. Smull, instructor in institutional management.

Hansing Receives Doctorate

Earl D. Hansing, instructor in the Department of Botany and Plant Pathology, has been granted his doctor's degree from Cornell university, majoring in plant pathology. He minored in genetics and cytology. Doctor Hansing, a graduate of the University of Minnesota, was a graduate research assistant at the Kansas State College, 1935-1937, when he received his master's degree. Doctor Hansing is doing research on diseases of cereals and forage crops at the Kansas Agricultural Experiment station.

RECENT HAPPENINGS ON THE HILL

The College freshman football team will meet the Cavalry Replacement Training Center Centaurs from Ft. Riley in a United Service Organization benefit game at Griffith Stadium in Manhattan Thursday night.

A total of \$16,000 has been allotted for the administration of the College Library and for the purchase of books and periodicals. Of the \$10,544 allotted for the latter \$3,938 will be divided among the various College departments.

The annual Homecoming Ball, sponsored by Blue Key, senior men's honorary, has been set for next Friday night. This year, the Homecoming queen will be announced during the dance instead of at the game as has been the custom.

Mary Elaine Wood, Overland Park, a freshman in home economics, was injured in an automobile accident Sunday afternoon when the car she was riding in collided with another car not far from Baldwin. Two people were killed in the wreck.

Miss Shirley Shaver, Salina, is appearing twice a day this week as a royal princess attending the American Royal during the annual livestock and horse show in Kansas City. Miss Shaver represents Manhattan in the American Royal.

Five home management students are moving into the new Martha M. Kramer cottage for the first time this week. Miss Althea Keller is resident adviser. The house is operated on a \$35 rental basis and is being furnished and redecorated by the students.

Six Kansas State students left this week for Nashville, Tenn., where they will attend the national convention of the American Country Life association. Those attending the convention are Thomas Benton, Olathe, president of the conference last year; Marjorie Simmons, Barnard; Drusilla Norby, Pratt; Darrell Russell, Canton; Helen Woodard, Topeka, and Keith Jones, Penalosa.

BIRTHS

Gerald Louis is the son of Vinton Johnson, G. S. '36, and Lora (Frauenfelder) Johnson of 1623 Arkansas street, Wichita, born July 27. Mr. Johnson works in a radio shop in Wichita.

Arthur R. Garvin, Ag. '40, and Estella (Hutter) Garvin, f. s. '40, are parents of a daughter, Virginia Ann, born July 23. Their home is in Council Grove, where Mr. Garvin is sub-altern in the Civilian Conservation Corps camp there.

Lionel Holm, Ag. '26, and Hypatia (Wilcox) Holm, H. E. '27, sent the "program" of a melodrama in three acts, "The Mystery of the Holm Sweet Home." Act I was Duane and Wayne, Act II was Janice Lea, and Act III, presented July 28, is Patricia Lea. Mr. Holm is employed with Farm Security administration at Amarillo, Texas. They live at 306 Sunset, Amarillo.

Homecoming Hints

1. Alumni should buy their football tickets from the Alumni Association office. They should make reservations early. Price is \$2.25 a ticket. Send 20 cents extra for registration and mailing.
2. Visitors should register at the Alumni Association office.
3. The Homecoming alumni luncheon Saturday noon,

COLLEGE STUDENTS INDICATE 35 RELIGIOUS PREFERENCES

METHODIST EPISCOPAL LEADS LIST
GIVEN OUT BY REGISTRAR

Only 215 Individuals Fail to Fill Blanks
on Enrollment Cards Asking
Information About
Beliefs

The 3,772 students enrolled at Kansas State College indicated 35 religious preferences on enrollment cards. More than 98 per cent of the women and 92.5 per cent of the men expressed their preferences of churches.

The tabulation was released by Miss Jessie McDowell Machir, registrar.

Methodist Episcopal led the list with 1,461, more than the total of the next four institutions.

EIGHT LIST ONE STUDENT

Eight religious orders—Buddhism, Free Methodist, Jehovah's Witness, Mohammedanism, Pentecostal, Russian Orthodox, Universalist and Wesleyan—were listed by one student each, and in each instance these students were men.

The other groups, in the order of their numerical strength on the campus, were:

Presbyterian, 535; Christian, 325; Catholic, 269; Baptist, 209; Lutheran, 198; Episcopal, 128; Congregational, 127; Evangelical, 48; United Brethren, 41; Church of Christ, 26; United Presbyterian, 26; Christian Science, 23; Jewish, 22; Church of Brethren, 21; Mennonite, 14.

SOME FAIL TO SIGNIFY

Federated or Community, 10; Reformed, 9; Friends, 8; Latter Day Saints, 8; Covenant Mission, 5; African Methodist Episcopal, 4; Greek Orthodox, 4; Unitarian, 4; Assembly of God, 3; New Jerusalem, 2; Nazarene, 2; Buddhism, 1; Free Methodist, 1; Jehovah's Witness, 1; Mohammedanism, 1; Pentecostal, 1; Russian Orthodox, 1; Universalist, 1; and Wesleyan, 1.

Seventeen students indicated simply that they were Protestants, while 215—24 women and 191 men—failed to signify a religious preference of any kind.

SIX CHEMISTS SCHEDULED TO SPEAK AT KANSAS STATE COLLEGE SOCIETY

Dr. Wallace R. Brode of Ohio State University Will Talk Here November 6

Six speakers, distinguished in their various fields, are tentatively scheduled to speak before the College section of the American Chemical Society this year.

Dr. Wallace R. Brode of Ohio State University will lecture on "Color and Chemical Constitution" after his arrival in Manhattan on November 6.

In January, Dr. W. C. Fernelius, also of Ohio State university, will lecture on "The Chemistry of Liquid Ammonia Solutions." In February, Dr. H. I. Schlessinger of the University of Chicago may speak on some phase of "Inorganic Chemistry."

S. D. Kirkpatrick, editor of the Journal of Chemical and Metallurgical Engineering will lecture in March on "Chemical Engineering Economics" or "Professional Development." In April, Dr. Farrington Daniels, professor of chemistry at the University of Wisconsin, will lecture on "Photochemistry," and in May, Dr. S. B. Hendricks, senior chemist of the Division of Fertilizer Research, United States Department of Agriculture, will speak on "The Nature of Clays and Soils."

An expert in the petroleum industry may appear in December to lecture on chemistry in the petroleum industry.

WILDCAT 2-MILE TEAM LOSES FIRST CONFERENCE DUAL MEET

Oklahoma Squad Defeats Kansas State, 21-15, in Saturday's Test

The Kansas State 2-mile team lost its first conference dual meet in Memorial Stadium since the formation of the Big Six in 1928 last Saturday.

The squad was beaten by the University of Oklahoma, 21-15, in a between-the-halves race during the football game here last week.

Bill Lyda and Dick Smethers, Sooner tracksters, finished the race in a tie for first place in 9:45.4. Al Rues, Parker, led the Kansas Staters, to finish third. Don Borthwick, Beeler, another Wildcat, was fourth, with Jim Johns, Manhattan, and Cecil Siebert, Pretty Prairie, in seventh and ninth places respectively.

FLOODS CAUSE EXCITEMENT

Week-end floods in Manhattan caused flurries of excitement in fraternity and sorority houses as well as other homes as water started rising in many basements on Sunset hill and near Aggieville. The water in most streets near the campus was curb deep. Additional rains fell Monday to continue the threat.

POULTRY MEN MAY LEARN HOW TO AID FOOD DEFENSE CAMPAIGN AT MEETINGS

Fifth Annual Convention Will Be Held on Campus October 31; L. F. Payne Plans Program

What Kansas poultry producers and distributors may do to aid in the "Food for Defense" campaign will be discussed at the Fifth Annual Poultry convention on the campus October 31.

Prof. L. F. Payne, head of the Department of Poultry Husbandry, has arranged the program. The poultry industry "is mobilized for defense and assigned the job of providing essential foodstuffs for the army and the citizenry," Dr. Margaret Justin, dean of the Division of Home Economics, said in her foreword to the program for the convention.

Dean Justin wrote:

"In these days of world crises each of us must feel a deepening concern with the plan and the provisions made to keep America safe. Few of us . . . will be called upon to invent new instruments of destruction or to frame war tactics designed to make more skilful use of weapons now on hand . . . Our contribution to our nation's defense must be made for the most part through the performance of the numerous tasks of our daily routine adequately and, if possible, a bit better than ever before, with a bit clearer notion of their bearing on the whole of national defense."

"Those of us concerned with poultry production and consumption, then, do well to give thought to ways and means of improving the quantity and quality of eggs and poultry on the market. But we must go further than that. We must realize the vital importance of these foods in adequate human nutrition and the basic importance of health in the whole plan of national defense."

Poultry husbandry, then, is mobilized for defense and assigned the job of providing essential foodstuffs for the army and the citizenry. More and better eggs and poultry, wise and safe handling of these products, and the sort of marketing that will safeguard both the consumer and the producer become practical goals toward which our patriotism may well direct us."

FRATERNITIES ANNOUNCE PLEDGING OF 25 STUDENTS

Dr. Harold Howe, Faculty Adviser, Releases List from 11 Social Groups

Twenty-five pledges were announced by 11 fraternities recently, according to Dr. Harold Howe, faculty adviser. The pledges and their fraternity:

Acacia—Floyd Beaver, Olathe; Alpha Gamma Rho—R. D. Allen, Westmoreland; Alpha Kappa Lambda—John Boller, Kansas City, Mo.; John W. Metheny, Marienthal; Alpha Tau Omega—John Randall, Colby; Wilbur Weedin, Marysville; Beta Theta Pi—Jack Kilkenney, Manhattan; Thurman Walling, Wichita.

Farm House—John Aiken, Moran; Max Benne, Morrowville; Edward Buss, Holton; Carl R. Gray, Neodesha; Kappa Sigma—A. Leonard Kirchner, Marion; Jack McNally, Iola; Phi Delta Theta—Jack Bates, Independence; Jim Clinger, Augusta; David Rasure, Topeka; Gaylord Reagor, Reno, Nev.

Phi Kappa Tau—Jay Best, Ottumwa, Iowa; Homer Caley, Manhattan; Philip Parsons, Hugoton; Darrell Smith, Hugoton; Pi Kappa Alpha—Earl Ellis Perkins, Belleville; Sigma Alpha Epsilon—Jack Pierce, Ft. Riley; L. K. Patterson, Ft. Bliss, Texas.

FARM CLINIC ON CAMPUS

The Regional Farm Management Research clinic will be on the campus October 31 and November 1. The clinic is sponsored by the Department of Agricultural Economics and the Kansas Agricultural Experiment station. Warren Waite, professor of agricultural economics at the University of Minnesota, will be consulting statistician during the conference.

COLLEGE HONORS GRADUATES NOW WITH ARMED SERVICES

ALUMNI ATTEND FOOTBALL GAME AT MEMORIAL STADIUM

B. A. Rogers, Methodist Church Student Pastor, Reads Tribute Before Raising of Flag Saturday

A tribute to the Kansas State College graduates in the armed services was made by the Rev. B. A. Rogers, student pastor of the Methodist church in Manhattan, in behalf of the College before the flag-raising ceremony at the Oklahoma-Kansas State game Saturday.

His message was:

DEDICATES GAME TO MEN

"Today, we dedicate this game to those men of Kansas State College who are serving our country in the armed services. Here with me are only a few who could be present; many others are listening by radio. We are very proud of these Kansas State College men who wear the uniform. Some of them, only twelve months ago, wore the Purple and White uniforms of Kansas State here on the gridiron. But today theirs is a greater glory than could ever be achieved on a football field. They stand as guardians of our liberties, as guarantors that in years to come, among other things, we can all gather here and witness this great American game. And so proudly we salute them—and all the men in our armed forces."

OFFICERS, MEN HONORED

Those present were Capt. Edwin L. Andrick, '31; Lt. Paul L. Brown, '41; Capt. Frank W. Crawford, '23; Pvt. Walter T. Emery, Jr., '37; Lt. James B. Edwards, '36; Lt. Gustave Fairbanks, '41; Lt. Vincent Y. Drury, '39; Pvt. Frank G. Gillett, '40; Capt. Arthur O. Flinner, '29; Lt. John S. Haley, '38; Maj. Ezra E. Howard, '25; Lt. James W. Hunter, '33; Lt. Wm. E. Ivey, '34; Lt. Ernest Jessup, '37; Capt. Leslie R. King, '31; Lt. Al Makins, '40; Lt. Albert P. Mitchell, '40; Pvt. Lloyd Mobiley, '38; Maj. Ralph W. Mohr, '29; Lt. M. J. Peters, '34; Lt. Ernest Reed, '33; Lt. Jay Jewell Sarasohn, '36; Lt. Clarence F. Shelby, '38; Maj. Harold Stover, '29; Lt. George G. Tanenbaum, '39; Capt. D. C. Taylor, '25; Lt. Marvin J. Twiehaus, '36; Capt. T. R. Varney, '29; and Lt. J. H. Watson, '37.

EGGERT PREDICTS INCREASE OF FROZEN FOOD LOCKERS

Former Faculty Member Writes Article for Trade Journal

Further extensive expansion of the services offered by frozen food locker operators was predicted by R. J. Eggert, a former member of the staff of the Department of Agricultural Economics, in an article in the latest issue of Quick Frozen Foods, trade journal of the freezer locker industry.

Mr. Eggert recently resigned his position with the College to accept the appointment as assistant director of the marketing department of the American Meat Institute.

The growth of the locker plant industry in Kansas has "kept pace" with the growth over the United States, Mr. Eggert points out in his analysis of the industry in Kansas. "There were approximately 23 locker plants in Kansas in 1935, and in 1941 there are about 200 plants," he said.

The growth of the locker plant industry in Kansas has "kept pace" with the growth over the United States, Mr. Eggert points out in his analysis of the industry in Kansas.

"There were approximately 23 locker plants in Kansas in 1935, and in 1941 there are about 200 plants," he said.

EVERYDAY ECONOMICS

By W. E. GRIMES

"The ease of starting in farming is in contrast with the difficulty of getting a start in many other lines of business."

For the young man who grows up on a farm it is relatively easy to start farming. Such a young man often can get started as a farmer by borrowing the use of equipment owned by his father and by relying upon the owner of the land he rents to supply a good share of the funds needed for cash operating expenses. The project work of the boy taking vocational agriculture in high school or who is in 4-H Club work often gives the young fellow a start in farming. As a consequence, the agricultural industry seldom is short of new operators who will take the place of those who cease to participate actively in farming.

The ease of starting in farming is in contrast with the difficulty of get-

WALTER KEITH VISITS CAMPUS

Lt. Walter Keith, L. G. '41, was a campus visitor October 14. He has finished his preliminary training at Ft. Benning, Ga., and is on his way to Ft. Ord, Calif., where he will spend three to six months in the infantry replacement center.

ROAD BUILDERS WILL ADMIT STUDENTS ENROLLED IN DEFENSE TRAINING WORK

National Association Makes Special Ruling Because of High Standards for College

The American Road Builders association has announced a special ruling under which it will admit to membership students enrolled in the College's materials and inspection for highways and airports defense training course.

The special dispensation was made by the national organization of road builders as recognition of the work done by the College and the high standard of the course.

Kansas State College, one of the first schools in the country to offer the course, began the training in September, after special studies of educational programs designed to assist the government in construction of defense highways and airports had been conducted by a committee named by A. R. B. A. Prof. L. H. Koenitzer, of the Department of Applied Mechanics, was a member of that investigating committee.

Another 12-week term of the course in Materials Inspection for Highways and Airports will begin about the second week in December.

A smoker will honor the following defense students who have joined the A. R. B. A. organization: A. J. Dryden, Ellsworth; N. N. Hansen, Greenleaf; J. A. Hutton, Abilene; F. A. Little, Newton; M. L. Markham, Caldwell; A. L. Moore, Newton; E. L. Redfield, Bucklin; C. W. Sargent, Riley; H. Smith, Junction City; V. H. Stearns, Haddam; J. J. Stoneman, Speed; J. C. Remmle, H. Schraer, L. B. Watson, Manhattan; N. Zarske, Prairie du Sac, Wis.

CELEBRITY SERIES BOARD SCHEDULES KANSAS CITY PHILHARMONIC GROUP

Orchestra to Appear in College Auditorium Afternoon and Evening of February 24

The celebrity series board this week announced the scheduling of the Kansas City Philharmonic orchestra, under the direction of Karl Kreuger, for an appearance in the College Auditorium February 24.

This is the only celebrity series feature planned for this year, according to Arlin Ward, board chairman. If the program is a financial success, another event may be sponsored later in the year, he said.

Since the student response to the celebrity series programs in the past has not been too favorable, the fund for this portion of College activity funds has been cut, Ward said. This necessitated the definite scheduling of only one appearance during the year. Students will be admitted to the performance of the orchestra by presentation of their activity books.

This will be the second appearance of the Philharmonic orchestra in Manhattan. Last year, the organization was brought here by the Manhattan public schools and played in the College Auditorium. This year, it will play for two performances, afternoon and evening.

IMPROVED KANSAS STATE TEAM

DEFEATED BY SOONERS, 16-0

OKLAHOMA SCORES IN SECOND AND FOURTH QUARTERS

College Squad Has Holiday Next Saturday and Will Spend Two Weeks in Preparation for Nebraska

By H. W. DAVIS

Head, Department of English

The Oklahoma Sooners, flashing a two-team, alternate-quarter attack, won from an improved Wildcat squad last Saturday afternoon by a 16-0 score. The power displayed by the Sooner second and fourth quarter eleven was a bit too much for the fighting Wildcats, who three times refused to be shoved from the five-yard line on in.

Kansas State College rooters in Memorial Stadium were favorably impressed by the consistent flash and fight of their team, which displayed a smart running attack except in pay dirt. Mike Zeleznak, quarterback, seemed to be the spark-plug, and an offensive flash the Big Six league may someday have to reckon with. Lyle Wilkins led the Wildcats in a pretty consistent smacking-down of Oklahoma passes. The whole Kansas State team fought valiantly in holding for downs more than once in that dangerous five-yard strip in front of their lair.

WEAK TACKLES, BLOCKING

For Oklahoma, it was Matthews, Mattox, Davis, Shanks, and Golding who showed most brilliantly on the offensive. The combination of Davis, Shanks, and Golding, who work the second and fourth quarters for Coach Luster, was a smart one. When they went out down the field for yards they kept on getting them.

The weakness in the Kansas State squad still seems to lie in tackling and blocking. Too many times the Oklahoma backs went on for good gains after being in the clutches of Wildcat tacklers, often back of the line of scrimmage. And too many times the Wildcat ball carriers found themselves downed by Sooners who had only been touch-blocked. There was a new and welcome snap to Kansas State's offense, and certainly the goal-line defense was an outstanding feature of the afternoon's entertainment.

This coming Saturday the Wildcats take a vacation. A two-weeks preparation for Nebraska, here on Nov. 1 for Homecoming, is their immediate prospect.

SOONERS GAIN 222 YARDS

Here are the figures on the Wildcat-Sooner fray.

Oklahoma	K.S.U.
First downs	16 11
Yards gained rushing (net).....	222 142
Forward passes attempted.....	19 8
Forward passes completed.....	7 3
Yards by forward passes.....	102 30
Yards lost, attempted forward passes	0 0
Forward passes intercepted by passes	1 2
Punting average (from scrimmage)	20 21
Total yards, all kicks returned	43.5 37
Opponents' fumbles recovered..	1 1
Yards lost by penalties.....	63 25

GRANT POOLE, ENGINEERING FRESHMAN, IS NAMED STAR FARMER FOR KANSAS

Son of Member of State Board of Regents Wins Recognition at Kansas City Convention Tuesday

Grant Poole, Manhattan, 18-year-old freshman in mechanical engineering, was named Star Farmer for Kansas at the convention of the Future Farmers of America in Kansas City Tuesday. On Monday, he was named as an American farmer from this state at the convention, which is being held in conjunction with the American Royal Livestock show in Kansas City this week.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, October 29, 1941

Number 7

41 FACULTY MEMBERS CHOSEN FOR NEW ADVISORY COUNCIL

ADDITIONAL REPRESENTATIVES TO BE NAMED LATER

Organization Will Consider Vital Issues Concerning Both Teachers and Students and Then Make Recommendations

Names of 41 faculty members, elected by their departments to serve as representatives on the new faculty council, were announced this week by Dr. George Gemmell, chairman of the committee supervising organization of the project.

The council will convene to elect officers and discuss plans, Doctor Gemmell said, when other departments of the College have elected representatives. The members will represent their departments at sessions in which the council will consider issues concerning both faculty members and students and will make recommendations concerning these problems to the Council of Deans and Pres. F. D. Farrell.

DEPARTMENT HEADS BARRED

No department heads may be elected to the council, since it is intended to give faculty members who have no hand in the governing of the school at present, some acquaintance with College problems.

At present, one-third of the council members are elected for one year, one-third for two years and the rest for three years. After the first terms expire, elections will be for three years. No faculty member may be elected for two consecutive terms.

Members elected for one year include: Miss Elizabeth Davis, reference librarian, library; Dr. F. E. Nelson, bacteriology; S. W. Decker, associate professor in horticulture; Dr. Ruth Montgomery, student health; Hal F. Eier, extension engineering; Dr. H. H. Laude, agronomy; Dr. R. H. Painter, entomology; Dr. A. L. Goodrich, zoology; E. K. Chapin, associate professor in physics; Dr. L. H. Limper, modern languages; Dr. John W. Greene, chemical engineering; James W. Martin, assistant professor in agricultural engineering; and Prof. F. A. Smutz, machine design.

ELECTED FOR TWO YEARS

Members elected for two years: Prof. E. R. Dawley, applied mechanics; Rufus F. Cox, associate professor in animal husbandry; Dr. Gladys E. Vail, food economics and nutrition; Prof. A. E. White, mathematics; Miss Mary Smull, institutional management; R. O. Pence, associate professor in milling; Prof. H. Miles Heberer, public speaking; Dr. George R. Moore, surgery and medicine; Miss Mary Kimball, vice president's office and registrar's office; Ada Billings, associate professor in home study; Dr. C. M. Correll, history; Miss Marie Darst, assistant professor in art; Miss Ruth Hartman, assistant professor in music; Dr. E. C. Miller, botany; Laura I. Winter, assistant professor in home economics extension; Prof. L. V. White, civil engineering; Prof. B. B. Brainard, mechanical engineering; and Prof. A. P. Davidson, education.

Those elected for three years: Dr. D. C. Warren, poultry husbandry; Katherine Hess, associate professor in clothing and textiles; Capt. D. C. Taylor, military science; Prof. John F. Helm, Jr., architecture; Prof. G. A. Sellers, shop practice; L. M. Jorgenson, associate professor in electrical engineering; Dr. John H. Shenk, chemistry; Helen Elcock, associate professor in English; Prof. E. T. Keith, industrial journalism; and Prof. E. E. Leisure, anatomy and physiology.

35 Bands Accept Invitations

Thirty-five Kansas high school bands have accepted invitations to come to the annual Band day, November 8, which is sponsored by the College band, the Department of Physical Education and Athletics, the College Alumni association and the YMCA.

Ag Student Out Soon

The fall issue of the Agricultural Student, official publication of the Division of Agriculture, will be released next week. It will have more pictures than ever before, Robert Wagner, Garden City, editor, said.

POULTRY INDUSTRY REPRESENTATIVES WILL MEET FRIDAY FOR CONVENTION

"Food for Defense" Program to Be Discussed at Fifth Annual Gathering in West Waters Hall

Representatives of all phases of the poultry industry will meet Friday to discuss the industry's part in the "Food for Defense" program. The event will be the Fifth Annual Kansas Poultry convention and all meetings are to be held in room 212, West Waters hall.

The processing and marketing of frozen and dried eggs will be discussed by F. W. Baughman, chemist on the staff of a commercial egg-products firm in Kansas City.

"There is a growing interest in this phase of the industry," Dr. D. C. Warren of the Department of Poultry Husbandry, said. "Many persons in the poultry industry predict that in the future a large portion of the Kansas egg production will be marketed frozen or dried. At this time egg freezing and drying plants are operating 24 hours daily to supply Great Britain in the 'Food for Defense' program."

Others scheduled to appear on the program include A. J. Thomas, a commercial poultry producer of Silver Lake; Harold Macurdy, president of the Kansas Poultry and Egg Shippers association; E. E. Boyd, president of the Kansas Poultry Improvement association; Lt. E. C. Hawkins, Quartermaster Market Center of the United States Army, Topeka; R. W. Miller, president of Agricultural Trade Relations, Inc., Salt Lake City, Utah; Dr. W. E. Grimes, Prof. L. F. Payne, Dr. J. S. Hughes, Dean Margaret M. Justin and Dean L. E. Call of the College faculty.

Doctor Hughes will tell of the nutrition conference held recently at the White House, a meeting which he attended. Dean Justin, chairman of a statewide committee on nutrition, will discuss "Nutrition in Relation to Defense."

COMMITTEE ON ELECTRIC RELATIONS DISCUSSES ITS PROGRESS AND FUTURE

Prof. F. C. Fenton Reports on Milk Cooling Tests with Mechanical Refrigeration

Recent progress and future aims of the Kansas Committee on the Relation of Electricity to Agriculture were discussed Monday as members of that committee met on the College campus.

Reporting on a milk cooling project, conducted by the committee in cooperation with the Kansas Agricultural Experiment Station, Prof. F. C. Fenton, head of the Department of Agricultural Engineering, reported that tests indicated "the most satisfactory method for cooling milk was mechanical refrigeration operated by an electric motor." The increasing popularity of mechanical milk coolers, he said, "is due to their low operating cost, convenience, and efficiency."

W. E. Limbocker, engineer of the State Corporation commission, Topeka, reported on progress in rural electrification in Kansas. Other reports and discussions were given by Prof. J. W. Martin and L. H. Schoenleber, Department of Agricultural Engineering; W. M. Carlton, extension engineering specialist; Prof. S. W. Decker, Department of Horticulture, and Prof. W. G. Ward, engineering extension, all of Kansas State College.

Pres. F. D. Farrell, committee chairman, presided at the sessions.

Founded in 1925, when there were some 900 electrified farms in Kansas, the committee has been influential in developing the use of electricity in rural areas. Today there are more than 28,000 electrified farms in the state, largely in the eastern half.

Homecoming Queen and Candidates



Barbara Sperry, Overland Park, second from the left in front row, will reign over Homecoming activities this week-end. She was selected from among the candidates pictured, by balloting Friday night, at the Homecoming Varsity dance sponsored by Blue Key, senior men's organization. The candidates pictured above are front row, Ocie Alice Taylor, Tribune; Miss Sperry; Janet Austin, Topeka; Mina Pressgrove, Tecumseh; back row, Frances Walls, El Dorado; Marjorie Gould, Manhattan; Audrey Jean Durand, Manhattan; Jean Marie Garrison, Emporia; Betty Glidden, Osborne, and Mary Cawood, Wetmore. Betty Lou Welsh, Kansas City, Mo., another candidate, was not shown in the photograph.

PROF. C. E. ROGERS, FORMER EDITOR, RETURNS FOR KANSAS MAGAZINE DINNER

One-Time Department Head Recalls "Older Days" in Talk Before 70 Some Guests on Campus for Traditional Reunion of Contributors

Some of the "Older Days" in The Kansas Magazine were recalled Saturday night at the magazine's Contributor's day banquet by Prof. C. E. Rogers, former editor and former head of the College Department of Industrial Journalism and Printing.

Professor Rogers, now head of the Department of Technical Journalism at Iowa State College at Ames, spoke reminiscently at a smorgasbord "Family Dinner" attended by some 70 Kansas authors, poets and artists,

many of whose works will be published in the tenth edition of the revived Kansas Magazine early in December.

Professor Rogers praised the part played by The Kansas Magazine in inspiring creative efforts in Kansas and familiarizing Kansans and others with the work of natives of this state. He paid a brief tribute to R. I. Thackrey, present editor of the magazine, for his work in reviving the magazine.

Returning to "older days," the speaker read verse by some of the magazine's best-known contributors, including Nora B. Cunningham, Kirke Mechem, Kenneth Porter, May Williams Ward and Tom McNeil. Marco Morrow, former assistant publisher of the Topeka Daily Capital, read his own poem, "Kansas Has No Poet."

Arthur Lloyd Douglas of Pittsburgh was named winner of the poetry contest conducted by THE KANSAS INDUSTRIALIST during the second semester of last year. The announcement was made at the smorgasbord by Prof. Robert Conover, poetry editor of THE INDUSTRIALIST and associate editor of The Kansas Magazine.

In addition to the family dinner in

Thompson hall, the annual Contributors' day program included a dutch lunch at the College cafeteria Saturday noon, an art exhibit in Engineering hall under the direction of Prof. John Helm, Jr., art editor of The Kansas Magazine, and an afternoon tea at the home of Professor and Mrs. Helm.

Professor Conover announced that Zana (Mrs. C. L.) Henderson of Wichita was the second-place winner of the spring semester poetry competition with her poem "Jealousy." Irma Wassall of Wichita already had been named winner of the fall semester contest with a piece, "Night Across Kansas."

Mrs. Wassall's poem and Douglas' "Transition" will appear in the forthcoming edition of The Kansas Magazine. In addition each received a prize of \$5, one of which is presented annually by THE INDUSTRIALIST, the other by an anonymous donor.

Verses by both winners of last year's poetry contests has been widely printed. Douglas, a senior claims examiner of the Unemployment Compensation service of the State Employment service, has had work published in many magazines and several anthologies. Mrs. Wassall has contributed verse to many of the leading magazines and other publications, including Coronet.

Douglas' "Transition" follows:

Night must fall
To cover up the day
That's dead and gone.

Night birds call
And all the dusky way
Is filled with song.

Softly comes,
With all her shimmering light,
The harvest moon—

Day blends with night.

ALUMNI HERE FOR HOMECOMING TO ATTEND REUNIONS AND GAME

ACTIVITIES WILL START FRIDAY NIGHT

Barbara Sperry, Overland Park, Selected to Reign as Queen; Hal Luhnow Is Designated as Toastmaster

Homecoming Saturday will see alumni returning for meetings, dinners and the Kansas State-Nebraska football game. It will see Barbara Sperry, Overland Park, crowned queen of the day. It will see fraternities trying to outdo each other in decorations welcoming alums and predicting the results of the game.

Homecoming activities will begin Friday night with a dinner for the Board of Directors and the Advisory Council of the College Alumni association at the Country club. Hal Luhnow, '17, Kansas City, Mo., president of the association, will be toastmaster and will introduce Pres. F. D. Farrell, who will give the main speech.

ASK ALUMNI TO REGISTER

Returning alumni are asked to register in the Alumni Association office Saturday morning. Tickets for the alumni luncheon at noon in Thompson hall and tickets for the alumni section at the football game will be available in the Alumni Association office.

At 2 p. m. the Wildcat football team will meet the Nebraska University Cornhuskers. Between halves of the football game, Miss Sperry will be crowned Homecoming queen. Miss Sperry, a Chi Omega, was elected for the royal position at the Homecoming ball last weekend. Attendants at her crowning will be Janet Austen, Topeka, Delta Delta Delta, and Elizabeth Glidden, Osborne, Kappa Kappa Gamma.

The fraternity having the most effective decorations for Homecoming also will be recognized between halves of the game.

REUNIONS ON GRIDIRON

During the game, according to Kenneth L. Ford, alumni secretary, an announcement will be made over the public address system telling all alumni that they may meet their friends and classmates under the various class banners that K men will have stationed the length of the gridiron. This device for meeting friends and classmates is being established for the first time this year.

Saturday at 6:30 p. m. the K fraternity will sponsor a dinner in Thompson hall. Twenty-four football lettermen of 1931 are invited to the game Saturday to see the stars of 1941 battle the Cornhuskers.

26 JUNIOR CADET OFFICERS INITIATED INTO MORTAR AND BALL ORGANIZATION

Membership in Society Is Restricted to Advanced Students in R. O. T. C.

Twenty-six junior cadet officers were initiated into Mortar and Ball, honorary society for advanced Reserve Officers' Training Corps students, last week end.

Membership in the organization is restricted to advanced military students in the artillery branch. The initiation ended Saturday night.

Cadet officers taken into the society are:

Wendell Bell, Silver Lake; Earl C. Barb, Hamilton; Ben Buehler, Bushton; Orley Burgess, Arnold; George Campbell, Wichita; Gordon Cloepf, Hunter; Richard Eddington, Courtland; Thomas Fletcher, Horton; Marvin Green, Leoti; Edward Hellmer, Olpe; Melvin Jarvis, Salina.

Dwight Jenkins, Madison; Charles Lacey, Belleville; Ray Offutt, Wichita; Max Oelschlaeger, Enterprise; William Peycke, Alta Vista; George Peterkord, Greeley; Marvin Reinecke, Great Bend; Wayne Starr, Hiawatha; Clanton Suiter, Otis; Ernest Swanson, Kansas City; Howard Whiteside, Neodesha; Leland Winetroub, Leavenworth; Hubert Hall, Turner; Ernest Siegel, San Francisco, Calif.; John G. Helm, Simpson.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY ... Editor
HILLIER KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT ... Associate Editors
KENNEY FORD ... Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$30 cash or in installments. Membership in alumni association included.



WEDNESDAY, OCTOBER 29, 1941

BRITAIN LOOKS AHEAD

It is inspiring to learn that in the midst of the greatest battle in history, while bombs actually descend upon them, the people of Great Britain are developing concrete plans for the physical reconstruction of the tight little island when peace comes. According to a statement issued by the New York office of the British Library of Information, a committee of distinguished British experts has already issued a report on the steps to be taken "before the end of the war in the interests of post-war reconstruction" and the main recommendations have been approved by the government.

"No one after the war," the statement continues, "will be satisfied that the face of Britain should merely be restored to what it had been; it must be better; the opportunity must be taken to abolish errors of the past, to apply the experience of town planners and architects and turn their ideals into realities."

The plans now in the initial stages of development involve not only the great urban centers but also the beautification of the countryside, the locating of industrial plants, the zoning of both rural and urban activities, the improvement of transportation and the distribution of population. And the whole plan is to be dynamic, rather than static, so as to be adjustable to changing conditions in a dynamic society.

It is encouraging to note that our own government is now developing a somewhat similar, though less comprehensive, set of plans under the name of Public Works Reserve. No doubt the British find in their planning for post-war reconstruction a welcome relief from the horrors and monotony of war. It may well be that 50 years hence they will be warranted in referring to the old adage about an ill wind and that they will provide evidence in support of the heroic theory that anything that doesn't kill us is good for us.

DRAMA

Comedy of College Life

"The Male Animal," farce-comedy of college life by James Thurber and Elliot Nugent, was most effectively presented to large and highly amused audiences by Manhattan Theatre on Friday and Saturday nights in College Auditorium.

The play is a natural as a laugh provoker for a College audience, and Walter Roach, new director of Manhattan Theatre, saw to it that his players exploited all the possibilities. One sensed his skill in handling scenes not only with his leads in action but also in the first act mass affair in which an uproarious get-together at a professor's home is offered—and on the eve of the big homecoming. One also felt that the players had been well prepared to handle the laughs, an accomplishment not so easy for amateurs.

The story of "The Male Animal" buzzes around a conscientious English professor, his wife, and a returning All-American fullback, former heart throb of the professor's wife. Joe Jagger, Minneapolis, as Tommy Turner the professor did an excellent job of keeping the teacher of adverbs and prepositions in character and in his normal state of utter bewilderment.

Betty Jeanne Sharpe, Kansas City,

did the role of the wife and did it exceedingly well. She was the pivot for practically all the swing in action, and was called upon for numerous switches of mood and determination, all of which she handled without losing her convincingness. Keith Thompson, Wichita, swaggered beautifully into and through the part of Joe Ferguson, the returning All-American alumnus.

The supporting cast fitted in smoothly on almost every occasion. Due to the super difficult acoustic eccentricities of the Auditorium a considerable number of gag lines with which the play abounds were hard to get. Audience laughter covered up others, but for the most part the players handled the crowd mirth neatly.

It was a lots-of-fun show. If you missed it, you cheated yourself.—H. W. D.

WHOM WOULD YOU HANG?

Just supposing this country was invaded by the Nazis. Suppose they would do as they have done everywhere—clamp down on a free press, clamp down on free speech, shut all the high schools and colleges above the eighth grade, make it tough for the preachers, then abolish all the luncheon and service clubs and shut up the Masonic temple and kick the half dozen Jewish merchants in this town into a concentration camp, we repeat, supposing that should happen. Who would protest? Who in Emporia would love liberty enough to make it hard going for the Nazis? In short, who would be the first ten men on this townsite hanged for trying to hold their God-given American liberties? The bodies of the men who were hanged would probably flop on the electric light lamp posts on Commercial street for a week or ten days for a horrible example. They would be the leading lovers of liberty. Another ten or twenty would be shot and quietly buried.

We will give a copy of one of the two best books that we know of on sale in this town for the man, woman or child who turns in what we regard as the best list of the ten people—men or women or both—who would probably be hanged because they love liberty and stand up for it and the next list of those who would be shot by the Nazis. Bring in your lists and don't be afraid to sign them. Remember that to be on this list is the highest compliment you can pay a fellow citizen. What ten will be hanged? What other ten will be shot? Step up and compliment your friends!—William Allen White in Emporia Gazette.

GETTING INTO PRINT

It would be hard to aver which gives us more pleasure when we find it in print: what we wanted to say, or what we wanted not to say. . . . Our satisfaction lies in that delicate divergence between the words before us and the words we ourselves would have used for the same thought (if we had had the same thought). We must not quite have had it; but we must have been troubled by its approach. The happy man lives subconsciously to-day among thoughts that he will render articulate to-morrow. Nothing is more exciting (you can see hints and murmurs of it in all sorts of places) than to watch the world getting ready to think ideas quite different from those it is at the moment openly proclaiming.—Christopher Morley, in the preface to Bartlett's "Familiar Quotations."

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

George V. Mueller, '24, '25, was teaching electrical engineering at Purdue University, West La Fayette, Ind. He was also a faculty counselor at the men's residence halls.

Margaret E. Raffington, '24, was an associate professor of home economics at Michigan State Normal College, Ypsilanti, Mich. She was also director of the practice house and teacher of nutrition.

L. M. Peairs, '05, and Max M. Hoover, '24, both on the University of West Virginia faculty, gave a Haloween party for K. S. C. alumni in honor of "Doc" King, "Bo" McMillin and "Mike" Ahearn at the Hotel Morgan in Morgantown, after the football game there.

TWENTY YEARS AGO

Dr. Louis V. Skidmore, '20, was with the Department of Animal Pathology and Hygiene, University of Nebraska. He was stationed at Uni-

SCIENCE TODAY

By DONALD A. WILBUR
Associate Professor,
Department of Entomology

After studying the locust invasions of the 1870's, the members of the Rocky Mountain Locust commission concluded that as more of the tillable land of the prairie and plains states came into cultivation there would be fewer grasshopper problems.

Undoubtedly the plow has inflicted a severe penalty upon many of the 150 species of grasshoppers of the state whose food ranges were limited to one or a few of the plants of the native prairie or whose habits and behavior were strictly attuned to a prairie environment.

Conversely a few grasshopper species definitely profited by the new order. They became at home in stubble lands and along roadsides and proved readily adaptable to diets of wheat, alfalfa and corn. They have so insidiously fitted in with the agricultural practices of Kansas that their presence was frequently unnoticed unless severe crop injury occurred. Their increase in numbers resulted, not in spite of current agricultural practices, but as a result of those practices.

The extent to which these species were able to survive cultivation and under favorable climatic conditions to increase to outbreak numbers is evident from statistical reports dealing with the extent of crop losses and with the quantities of bait materials used. According to Dr. J. R. Parker, a grasshopper authority with the Bureau of Entomology and Plant Quarantine, the damage by grasshoppers in Kansas between the years 1929 and 1938 exceeded \$49,000,000. Only three states, Nebraska, South Dakota and North Dakota suffered greater damage, the loss for the latter state being estimated at \$82,000,000 for the same period.

The Kansas Extension Entomologist reported that in 1937, the peak of the recent grasshopper outbreak, approximately 26,822,000 pounds of wet poisoned bait were scattered over Kansas fields by more than 75,000 farmers. Such extensive grasshopper outbreaks have since diminished though each year there will probably continue to be minor outbreaks in various counties of western Kansas.

The use of poisoned baits to destroy hoppers was developed in the United States and Canada but these baits were used only on a small scale until 1913 when a major outbreak occurred in 12 counties in Southwestern Kansas. At that time Kansas entomologists made a significant contribution to science by successfully organizing and conducting a large scale baiting program throughout the region of outbreak. After this demonstration of the effectiveness of baits, the Kansas bait formula was used wherever grasshoppers were menacing crops.

In spite of its widespread use, certain difficulties are associated with the application of poisoned baits. During the recent outbreaks, there were occasions when for unknown reasons the hoppers failed to accept the bait in sufficient numbers to bring about control. Occasionally communities are caught unawares by a hopper outbreak and bait materials may be unobtainable locally. For effec-

versity farm, Lincoln, Neb.

P. A. Russell, '14, and H. B. Dudley, '20, were president and vice-president respectively of the Russell Electric Car company, the largest organization in Kansas City devoted exclusively to the sale and service of electric cars.

Blanche Ingersoll, '11, was instructor in the home economics division of Iowa State College. Before joining the Iowa State College faculty, Miss Ingersoll was city home demonstration agent at Detroit, Mich., and later editor of publications of the New York Journal of Foods and Markets, Albany, N. Y.

THIRTY YEARS AGO

L. B. Bender, '04, a second lieutenant in the United States Army, was stationed at Ft. Andrews, Mass.

S. E. Houck, '11, was a United States inspector in the Cudahy packing company's plant, Kansas City.

H. H. Harbecke, '11, was with the Westinghouse Electric and Manufacturing Company with headquarters at

tive community action, it is desirable that the bait material requirements of a county or township be anticipated in advance by means of grasshopper egg surveys and the materials be purchased and laid down where they are readily available at the first sign of activity of the hoppers. Bait materials are expensive and unless provided by the government, require a cash outlay. In view of such considerations as these, the desirability of supplementing grasshopper baiting with cultural practices or other methods for keeping down hopper populations is evident.

There are certain farming practices that must be maintained even though they favor grasshopper increase. An example of this in the Great Plains area is the concern of the farmer to hold the soil at all cost. Retaining the stubble on the soil surface during the winter and spring months of severe winds is a successful means of holding the soil. But in so doing the migratory grasshopper has a made-to-order oviposition bed covering a wide area and unless the stubble is thoroughly worked before the eggs hatch in the spring, the practice favors grasshopper increase. Strip-farming, likewise being used to combat soil blowing, has extensive field margins in proportion to the crop acreage and these margins not only accentuate hopper damage but also make baiting difficult and expensive.

During the 1930's a conservation program was started in the cotton growing section of Arkansas to supplement large cotton acreages with soybeans. Prior to 1936 there has been no record of grasshopper outbreaks in this region but beginning in 1936 the differential hopper developed to such numbers that control campaigns were required in many counties. The Arkansas Experiment Station determined that while some hoppers would feed on cotton, this plant did not supply satisfactory foods for maintaining the species. Soybeans on the other hand favored both the development and fecundity of the hopper. Thus a new and desirable cropping program proved to be the means of establishing a serious pest in a region where it never before had been a problem.

Much emphasis in grasshopper control work is being directed towards the prevention of outbreaks through the elimination of oviposition beds or the destruction of eggs before hatching occurs. In certain western Kansas counties the reduction of roadside margins and fence rows has already improved the hopper situation. In the bluestem area of eastern Kansas any pasture management program which promotes the growth of native grasses and which reduces weed grasses is likewise aiding in grasshopper control. In this connection, a three-strand barbed wire fence used to restrict grazing may be an effective mechanism for grasshopper control.

The type of implement used to work stubble fields has much to do with the number of eggs that survive, the mold-board plow being the most efficient. The wide variations in susceptibility or resistance to grasshopper attacks within crops offers an opportunity for plant breeders to make important contributions to the grasshopper problem.

Pittsburgh, Pa. In addition to Mr. Harbecke there were 13 other Kansas State College graduates employed there.

FORTY YEARS AGO

The College band for the fall semester consisted of thirty-two members.

The program for the year's YWCA work of Seattle, Wash., included a course of lessons in domestic science which were to be given by Sarah Moore Foster, '94, Nellie Little Dobbs, '90, and Mary Waugh-Smith, '99.

College officers who were members of an excursion trip to Kansas City were President Nichols, Professors Cottrell, Willard, Otis, and McIntyre, Assistants Shoesmith and Marian Jones, and Foreman Wabnitz. They were accompanied by Mrs. Cottrell, Mrs. Otis and Mrs. Wabnitz.

FIFTY YEARS AGO

The Rev. O. M. Bowman of Blue Rapids led the Chapel exercises.

Professor Popenoe, although un-

able to attend the meeting of the Academy of Science, was chosen its president.

Former Governor Riddell was a College visitor in company of Doctor Roberts and other members of the A. O. U. W. of Manhattan.

SIXTY YEARS AGO

At the meeting of the Webster society, Messrs. Reese, Clark and Pratt were initiated.

The College orchestra for the year consisted of the following members: Professor Hofer, flute; Professor Walters, first violin; Professor Popenoe, second violin; G. Hopper, contra bass; H. B. Jones, first cornet; A. D. Fink, second cornet; Miss Belle Selby, piano.

KANSAS POETRY

Robert Conover, Editor

LINES TO A WORM

By May Frink Converse

Aimless and slow
you crawl along,
Doing no work,
having no song.

Lowest of all
creatures on earth,
Yet even you, worm,
have your worth.

You'll make a bite
of food for the bird
Whose music we
but just now heard.

May Frink Converse, Wellsville, is the wife of the editor of the Wellsville Globe, Asa F. Converse. For a number of years, she has contributed a weekly poem and column to the paper which she calls "Converse—ation." Mrs. Converse has been successful in free lance writing, having sold numerous poems, articles and sketches to various publications.

SUNFLOWERS

By H. W. Davis

QUEENIE

The world will never be made safe for democracy as long as approximately one-half the population of the world wants to be a queen of something or other.

Several years ago I saw this avalanche of yen for regality gathering among the womankind of the world. It started with one beauty queen a year in each and every American college. The idea caught on immediately. Now there is a queen for every social occasion every week-end at every freshwater institution of higher learning in every state.

Not only that. There are queens for live-stock get-togethers, apple associations, canned-tomato weeks, football games, track meets, soft drinks, rodeos, jive sessions, and butchers, bakers, and candlestick makers in convention assembled and illuminated.

Everybody knows all this and more. But nobody knows the trouble I've seen trying to figure out why, in a commonwealth dedicated to the proposition that a man's a man for a' that, we should have to be bogged down with the fancy that a woman is or ought to be a queen of something or other.

Can it be that democracy is masculine and regality feminine? Will the answer ultimately be discovered hiding away in the endocrine glands? Shall we sooner or later have to fight a world war to make democracy safe from femininity? I wish I knew.

Queen Elizabeth and Queen Victoria! Remember them? I sometimes suspect their long-lasting fame lies in the fact that there's a little bit of each of them in every bad or good little girl. One of them a panzer division of tantrums, the other a Gibraltar of propriety and restraint. All the women of the world in those two women, and both of them superqueens. I may have something there.

And both of them belong to our English speaking race, champion of beleaguered democracy in this crazy, dizzy world.

The next time your community has to select a queen to compete with 69 other queens at a state or national horse-shoe pitching carnival, remember these things. It will make you more tolerant and considerate. It may even improve your business. If you are a philosophical cuss, you are bound to have more fun, no matter how badly your candidate is beaten.

AMONG THE ALUMNI

Rainey C. Faris, M. E. '01, Prof. in Engr. '17, is engineer for three powder plants near his home in Godfrey, Ill. He has had the same job for 20 years. He has four sons—who have graduated from the University of Illinois, all of whom have good jobs—and three daughters. All his children are married and he has 11 grandchildren, the oldest of whom are twin girls.

Marcia (Pierce) Hay, D. S. '08, and her husband, Phillip Hay, f. s. '91, live at Motor Route 2, Holly, Colo.

Lottie Geneva (Stephenson) Ober, H. E. '12, is a housewife and lives at 166 N. Bright, Whittier, Calif. She and Ralph R. Ober have eight children. Mrs. Ober writes that one of her lyrics, with music by Ada Virginia Hull of Hollywood was awarded first place in the Festival of Arts, Los Angeles, 1937. The name of the song was "I Gave My Heart to the Wind" and it was in the semi-classical division, suitable for radio.

"Our son Forest has achieved quite a place in the world of athletics," she said. "He is now heavyweight champion (6'4"—weight 204) of amateur wrestlers of the far western states. Forest and his brother James have both been heavy weight champions of Southern California during their high school terms.

"Rodney, our third son, is stationed at San Clemente Islands with the United States Marines."

Lilian C. W. Baker, H. E. '14, has moved from West Reading, Pa., to Manhattan.

Clytice N. Ross, H. E. '16, M. S. '24, writes "I am home demonstration agent in Dona Ana county, N. M. We had a county booth at New Mexico State fair in September that won first prize. Two Dona Ana county 4-H club girls placed first in the clothing they exhibited at the state fair. I took four hours of graduate extension courses here at New Mexico A. & M. in June." Her address is 636 South Alameda, Las Cruces, N. M.

Girlie Marie (Strowig) Moffett, H. E. '18, is substitute teacher in the Topeka public schools. She and her husband, George Moffett, live at 1825 W. Second street, Topeka.

Myrtle A. Gunselman, H. E. '19, is studying with the Graduate Faculty of Political and Social Science in the New School of Social Research. She is on leave for the first semester from Kansas State College, where she is assistant professor in household economics. She will return here for the second semester. Her address while in New York City is Apt. 25, 920 Riverside, New York City.

Dalton R. Hooton, Ag. '21, visited the campus in July. He is superintendent of the United States Cotton Field station, Greenville, Texas. His division is called cotton and other fiber crops and diseases. He and Marie (Johnston) Hooton, '18, have four children—Betty Ann, '18; May Ellen, '16; Margaret, 11; and John, 9. Mr. Hooton suggests that an alumni meeting be arranged in Dallas, Texas, during Christmas holidays at the time of the meeting of the American Society for Advancement of Science.

Murray A. Wilson, C. E. '22, Prof. in Engr. '26, is consulting engineer for Wilson and company, Engrs., 215 W. Ash street, Salina. At present he is resident director for Fisher, Fisher and Hubbell, and Paulette and Wilson in plans for army cantonment. The Wilsons live at 717 S. Tenth street, Salina.

Timothy J. Foley, D. V. M. '23, is veterinarian for the Bureau of Animal Industry, United States Department of Agriculture. He visited the campus in September and reported that he was moved from that position in Harrisburg, Pa., to Buffalo, New York. His address in Buffalo is 242 Bryant street.

Dr. Jesse A. Jones, D. V. M. '26, is owner of the Dr. Jesse A. Jones Dog and Cat hospital, Los Angeles, Calif. He and Mrs. Jones have two children—Barbara Joan, 10, and Allen Eugene, 3. They live at 2637 Whittier boulevard, Los Angeles.

Nell (Conroy) Pitchford, Music '27, and her husband live at 1021 E. Whitman, Pocatello, Idaho, where he is supervisor for the Union Pacific

railroad. Their children are John, 4; Katherine Anne, 2; and Mary Gertrude, 10 months.

Harvey Wilbur Schmidt, C. E. '28, and Mary (Stutz) Schmidt, '28, may be addressed P. O. Box 911, 1001 Rock Island, Dalhart, Texas. Mr. Schmidt is resident engineer with the Texas Highway Dept.

Rexford E. White, E. E. '29, is sales assistant with Westinghouse Supply company, Syracuse, N. Y. He and Joyce (Young) White live at 143 Arsenal drive, Syracuse.

Frances Deane Shewmaker, H. E. '30, is supervisor of the Works Progress Administration housekeeping aid project and is in charge of the practice center located at 106 S. Garland, Chanute. Her address is 115 S. Steuben, Chanute.

H. C. Riepe, C. E. '31, is junior engineer, bureau of reclamation, recently transferred from Denver to San Antonio, Texas. The Riepes have two children—Marilyn Glea, 2, and Elissa Diane, 6. They all live at 512 E. Dewey place, San Antonio, Texas.

Pauline (Stewart) Massey, f. s. Chanute, writes that her husband, Jewell Warren Massey, E. E. '32, "has his own business and is doing very well in it. We have two children—Warren, aged 9, and Sara Lynn, aged 2. We have recently moved into our new home. Practically all the Kansas State people we know are getting along alright. Few, though, are doing the work in which they majored. After all isn't education learning to think out and apply new ideas?"

Arlie E. Paige, '33, M. S. '34, and Julia (Davis) Paige, '34, are at 61 Brooklea drive, Rochester, N. Y. Mr. Paige is administrative procurement inspector of the United States Army Air corps. He has supervision of Army Air corps inspection in two of Rochester's leading industrial plants.

Harold R. Heckendorf, E. E. '34, is an equipment engineer with Western Electric company, at the Hawthorne Works. His address is 3928 Central avenue, Western Springs, Ill.

Dr. Theodore S. Williams, D. V. M. '35, and Charlotte (Nix) Williams, H. E. '34, live at 1328 Jefferson avenue, Des Moines, Iowa. Dr. Williams is meat inspector with the United States Bureau of Animal Industry there.

Mary R. LeBow, Music Ed. '36, is employed in the general offices of Union Pacific railroad company, headquarters building, Omaha. She is conductor of the U. P. Ladies Chorus there. Her address in Omaha is 6110 Popleton avenue.

Lt. Hollis T. Galley, Chem. E. '37, is in the U. S. Army. He and Dorothy (Gibble) Galley, f. s., are at 115 Darlington, Phoebeus, Va.

Willa Dean Nodurft, H. E. '39, is dietitian at Clarkson hospital, Omaha, Neb.

Howard L. Taylor, Music Ed. '39, and Shirley (Jacobs) Taylor, '35, have a daughter, Anita Lee, who will be seven months old soon. The Taylors live at Clifton, where Mr. Taylor teaches music in the grades and in high school.

Helen V. Higbee, H. E. '39, has a civil service job in Washington, D. C. Her address there is 2101 S street, N. W.

Dr. L. Dale Cherry, D. V. M. '40, is veterinarian at Redwood Falls, Minn.

Byron K. Wilson, Ag. '41, is in Battery B, 53rd Field Artillery Training Battalion, Camp Roberts, Calif.

Lowell Robert Ray, I. Chem. '41, is second lieutenant, 755th Tank Battalion, Camp Bowie, Texas. He and Maxine (Dolan) Ray, f. s. '39, may be addressed at 1315 Avenue G, Brownwood, Texas.

BIRTHS

A daughter, Sharon Kay, was born August 11 to Mary (Morgan) Ward, H. E. '34, and Dale Ward of Severy.

C. Philip Walters, G. S. '36, M. S. '38, and Esther (Sayre) Walters, f. s., are the parents of a son born September 26, John Philip. Their home is Route 1, Manhattan.

Raymon Shobe, M. S. '40, and Mrs. Shobe have named their daughter, born August 13, Martha Louise. Mr. Shobe, formerly in the department of mathematics at Kansas State College, is now in that department at the University of Kansas, Lawrence.

LOOKING AROUND KENNEY L FORD

Homecoming Hints

1. Visitors should register at the Alumni Association office.

2. The Homecoming alumni luncheon Saturday noon, November 1, will be upstairs in Thompson hall, the College Cafeteria. Tickets will be on sale at the Alumni Association office and College Cafeteria at 56 cents.

3. Classmates and friends will meet on the playing field immediately after the football game. The K fraternity will post signs for various class groups. Former students should join the group nearest their year of graduation.

4. K men's dinner will be in the College Cafeteria at 6:30 p. m., November 1. It is sponsored by K fraternity.

Plan Hays Dinner Meeting

A dinner meeting for Kansas State College alumni in Hays at the time of teachers meeting is being arranged by L. C. Aicher, '10, superintendent of the Fort Hays Experiment station. Mr. Aicher writes that the meeting will be Friday, November 7, at 6 p. m. The place for the dinner will be printed in the programs given the teachers at the teachers meeting.

St. Louis Alumni Meeting

Kansas State College alumni near St. Louis, Mo., met October 10, at the L. O. Russell home, 1115 Kirkham avenue, in Glendale—a suburb of St. Louis.

Kenney L. Ford was at the meeting and showed pictures of the College.

Those who registered were Kerney Bunker, '25, and Elizabeth (Rodewald) Bunker, f. s. '25; Tarlton Caldwell, '41, and Mrs. Caldwell; Hester Smith, M. S. '41; Helen Latta, '35; Lois Scripter, '34; Harold H. Harris, '37, and Zelda (Kleven) Harris, '35; Marjorie Call, '35; H. F. Hackett, '39; and Doris Harvey, '41, all of St. Louis.

Others were H. S. Woodard, '20, and Frances (Ford) Woodard, f. s. '20; H. M. Noel, '12, and Mabel (Etzold) Noel, '12; Edna (Boyle) Reynolds, '18, Webster Groves; L. D. Keller, '24, Brentwood, Mo.; John Drisko, '36, University City, Mo.; and the Russells—L. O. Russell, '26, and Vera (Chubb) Russell, '26.

Fall Picnic at Pittsburgh

Members of the Kansas State Alumni group of Pittsburgh, Pa., attended a fall picnic September 27 at the Clairton Lodge, Clairton, Pa. Most of those attending spent the afternoon playing football, badminton, and horseshoes.

Those present were Merle G. Crawford and Mrs. Crawford; John E. Franz, '23, and Irene (McElroy) Franz, f. s. '14; Mrs. J. Rex Morrison, her daughter, and her mother; Charles H. Mehaffey, '29, and Mildred (James) Mehaffey, f. s., and son; E. H. Myers, '37, and Mrs. Myers; William A. Nelson, '29, and Margaret (Adams) Nelson, '27, and their son and daughter; Owen G. Rogers, '29, and Grace (Daugherty) Rogers, '29; Mrs. Benjamin A. Rose; Mrs. H. A. Rose and son and daughter; Lester G. Tubbs, '17, Madge (Austin) Tubbs, '19, and son; Earl D. Ward, '26, Mrs. Ward, and two daughters; T. L. Weybrew, '26, Mrs. Weybrew and daughter, and James W. York, '36, and Mrs. York; and Emery D. Wright, '38.

Mrs. E. H. Myers sent the report of the meeting.

Wichita Group Has Picnic

Wichita alumni and former students of Kansas State College met in Linwood Park September 27 for a picnic and short meeting. They played some games and visited until the lunch was served.

C. W. Currie, f. s. '24, president of the group, reported on the College building program, enrollment, athletics and other recent developments. Tentative plans were made for a meeting during teacher's meeting and for the annual dinner near Founder's Day. Group singing was led by Lloyd Cole.

Alumni and former students who registered were Mark Abildgaard, '12, and Olive (Wright) Abildgaard, f. s. '13; Ellen (Hall) Ambler, '12; H. O. Bennett, '25; R. V. Christian, '11; Lloyd Cole, f. s. '10, and Nannie (Carnahan) Cole, '10; C. W. Currie,

f. s. '24, and Virginia (Carney) Currie, f. s. '26; Loyal H. Davies, '29, and Leone (Wilson) Davies, '30; Eleanor Davis, '24; R. Spencer DeLaMater, '32; Esther (Beachel) Dominick, M. S. '38; Miles W. George, '31, and Lois (Windiate) George, '33; Alma (Halbower) Giles, '14; Garcia K. Hays, '29; George Harkins, '27, and Doris (Riddell) Harkins, '24; C. J. Lydick, '24; Edith (Payne) McMillen, '12; Neva (Colville) McDonnell, '13; Pearl Miltner, '19; Ella (Miltner) Parli, '15; J. L. Rader, f. s. '24; Annalou (Turner) Rucker, '27; Lucy (Platt) Stants, '12; Alta (Taylor) Smith, '18; T. L. Shuart, '18, and Helen (Hunter) Shuart, '18; A. W. Stillwell, '28; R. N. St. John, '20; and Dorothy Turner, '37.

40 Graduates at St. Louis

The six members of the Kansas State College faculty attending the American Dietetic association's national meeting in St. Louis last week found an informal reunion of 40 graduates of the College Division of Home Economics.

One of the graduates, Miss Melva Bakkie, '27, of the American Red Cross, Washington, D. C., was a speaker.

Representing the College faculty were Dean Margaret M. Justin, Mrs. Lucile Rust, Mrs. Bessie Brooks West, Dr. Martha Pittman, Miss Mary Smull and Miss Ella Jane Meiller.

Many of the graduates attending the convention are now dietitians in hospitals. Others are in commercial home economics. The College roll included:

Virginia Harger, M. S. '38, Ohio university, Athens, Ohio; Sina Faye Fowler, M. S. '33, Butler university, Indianapolis, Ind.; L. Marguerite Edwards, '34, Missouri State sanitarium, Mt. Vernon, Mo.; Winifred Needels, '27, William Woods college, Fulton, Mo.; Willa Dean Nodurft, '39, Clarkson hospital, Omaha, Neb.; Betty Jenkins, '40, Seal Test Kitchen, Western Maryland dairy, Baltimore, Md.; Doris Harvey, '41, St. Louis Independent Packing company, St. Louis; Grace Steininger, '25, Ohio university, Athens, Ohio; Mildred Ewing, '37, Central college, Fayette, Mo.; Marian E. Nichols, '37, Newton hospital, Newton, Lower Falls, Mass.; Lila Taylor Hamilton, '38, National Youth Administration, St. Louis, Mo.; Jean Lyons Jackson, M. S. '34, St. Louis, Mo.; Martha V. Engle, '36, Veterans hospital, Columbia, S. C.

Pearl Rorabaugh, '29, M. S. '32, Kansas State Board of Health, Topeka; Hannah B. Murphy, '27, Veterans hospital, Dallas, Texas; Josephine Koenig, '29, Memorial hospital, Sheridan, Wyo.; Alice E. Miller, '27, Musto, Kan.; Esther Musil, '38, Station hospital, Ft. Leonard Wood, Mo.; Maurine Grizzell, '39, Norton infirmary, Louisville, Ky.; Eugenia Sanderson, '39, Arkansas Children's Home and hospital, Little Rock, Ark.; Irene Tolliver, '37, Louisiana Polytechnic institute, Ruston, La.; Pauline Kegereis Epperson, '30, Childrens Mercy hospital, Kansas City, Mo.; Geneva Marble, '35, Boston Lying-in hospital, Boston, Mass.; Lois Scripter, '34, St. Lukes hospital, St. Louis, Mo.

Mary Blackman Parsons, '39, Pet Milk company, St. Louis, Mo.; Maebelle Sperry Ehlers, '06, Michigan State college, East Lansing, Mich.; Kathleen Hamm, '18, University of Michigan, Ann Arbor, Mich.; Imogene Price, M. S. '39, National Youth administration, St. Louis, Mo.; Elizabeth Huey, '39, Indiana University Medical center, Indianapolis, Ind.; Grace Scholz, '33, Veterans hospital, Chillicothe, Ohio; Betsy Norelius Waltz, '37, St. Francis hospital, Columbus, Ohio; E. Lynette Gatten, '36, University of Omaha, Omaha, Neb.; Helen Latta, '35, Jewish hospital, St. Louis; Marita Monroe, '37, University of Missouri, Columbia, Mo.; Iva Welch, M. S. '31, Lawrence college, Appleton, Wis.; Marjorie Call, '39, Pet Milk company, St. Louis, Mo.

Hester Smith, M. S. '41, Pet Milk company, St. Louis, Mo.; Rachel Martens, '36, Stix, Boer and Fuller company, St. Louis, Mo.; Esther Latzke, '19, Armour and company, Chicago, Ill.; Ellen Pennel, '21, National Biscuit company, New York City.

Cold Wave Brings Out Coats

The cold wave that came Sunday evening brought heavy coats out of hiding, cold noses to those who walked across the campus and a coat of frost on the blooming petunias in the south quadrangle.

RECENT HAPPENINGS ON THE HILL

Fifteen new members of Sears club will be initiated Thursday evening in Sunset park. After the initiation, hamburgers will be fried.

Dwight Kirsch, head of the Department of Art at the University of Nebraska, will talk on "Development of American Painting" in a student assembly Friday. Mr. Kirsch will use colored slides which he made himself to illustrate his lecture.

New officers of Scarab, social interfraternity organization, are president, C. W. Schulze, Blue Springs, Sigma Alpha Epsilon; vice-president, Red Jones, Wichita, Kappa Sigma; secretary-treasurer, Pat Sauble, Newton, Beta Theta Pi.

Purple Pepsters and Enchiladas, from the looks of things, are trying to outdo each other in pledge duties. Last week Enchiladas pledges wore curlers in their hair, long white cotton socks and carried candy for hungry members. This week Purple Pepper pledges wore their hair tied in purple and white ribbons and pushed either doll or baby carriages across the campus.

The 1941 Horticulture show is set for November 14 and 15. Blooming chrysanthemums will be featured. Ralph Beach, Manhattan, is in charge of two contests to be held in connection with the show. One will be an apple-bobbing contest for girls. The other is a pumpkin seed guessing contest. Anyone may guess the number of seeds in an unopened pumpkin in this contest.

New initiates in Alpha Zeta, agriculture honorary organization, are Darrell Bozarth, Liberal; Howard Carnahan, Parsons; George Inskip, Manhattan; Scott Kelsey, Topeka; Edward Buss, Holton; Jack Cornwell, St. John; Joseph Jagger, Minneapolis; Keith Jones, Oskaloosa; Lowell Penny, Lawrence; Robert Randle, Riley; Bruce Robertson, Barnard; John Weir, Geuda Springs; and Donald Wood, Trousdale.

Two field trips are scheduled for Kansas State College students in November. Students in the Department of Home Economics and Art will make their annual inspection tour to Kansas City November 13 and 14. They will visit the Nelson Art gallery, the Kansas City Art institute, the Institute of Light and other points of interest to the group. Saturday, November 22, journalism students will be in Kansas City. During the annual inspection tour they will see the Associated Press offices, an advertising agency, the Kansas City Star and radio station WDAF.

MARRIAGES

ALLEN—CROOK

Mildred Allen, f. s. '41, married Charles Crook, Ag. '38, July 12. They live at Ogden.

McCULLAH—FAIR

WILLIAM R. BIXLER, EMPORIA, IS APPOINTED CADET COLONEL

RAY ROKEY, FOOTBALL PLAYER, NAMED EXECUTIVE OFFICER

Corps' Head Won Outstanding Junior Award in Coast Artillery Unit; while Sabetha Was Honored at Ft. Leavenworth

William R. Bixler, Emporia, has been appointed cadet colonel of the Kansas State College Reserve Officers Training Corps. The list of appointments was released by Lieut.-Col. James K. Campbell, head of the Department of Military Science and Tactics.

Raymond R. Rokey, Sabetha, was named lieutenant-colonel and executive officer.

BIXLER WINS JUNIOR AWARD

Bixler, a member of Sigma Tau, honorary engineering fraternity, and Varsity dance manager, received an award as the outstanding junior in the coast artillery unit. The award, presented by the United States Coast Artillery association, was based on general scholastic standing, military grades and leadership ability.

Rokey is quarterback on the Kansas State College football team and vice president of the Student Governing association. He was selected as the outstanding man at R. O. T. C. camp last summer at Ft. Leavenworth.

William R. Ford, Frankfort, was made a captain and regimental adjutant of the artillery unit.

THREE ARTILLERY MAJORS

Battalion commanders for the coast artillery branch are Maj. Charles F. Burkett, Elkhart; Paul L. Furbeck, Larned; and Lawrence E. Spear, Mission. Battalion adjutants and first lieutenants are Wilbur G. Hole, Topeka; W. Dick Turner, Manhattan; and Joe L. Blattner, Rozel.

Captains in the coast artillery unit are Clarence L. Ash, Wetmore; Donald G. Moss, Miltonvale; Aubrey G. Park, Oakley; Kent Duwe, Lucas; Burt R. MacKirdy, Manhattan; Richard L. Peters, Valley Falls; Ben S. Baldwin, Anthony; George Olson, Wichita; and Robert E. Turkelson, Troy.

Appointed battalion commanders for the Infantry unit are Maj. William J. Werts, Smith Center; Wilbur F. Jones, Wichita; and Jack C. Leonard, Junction City. Battalion adjutants are 1st Lts. Clarence W. Schmitz, Alma; Kenneth Yoon, Honolulu, Hawaii; and Robert D. Manly, Manhattan.

NINE INFANTRY CAPTAINS

Captains appointed in the infantry unit are Arlin E. Ward, Manhattan; F. Robert Snyder, Junction City; Pierce U. Wheatley, Gypsum; James R. Foster, Effingham; Perry C. Emmons, Lenora; Norman C. Stiles, Topeka; John H. Hancock, St. Francis; Glen J. Thomas, Riley; and Donald M. Hunt, Manhattan.

EMMA LOU THOMAS, HOME ECONOMICS, AWARDED MORTAR BOARD RECOGNITION

Student Has Name Engraved on Plaque Which Hangs in Recreation Center

Nearly 300 women saw Emma Lou Thomas, Hartford, sophomore in the Division of Home Economics, receive freshman scholarship recognition at the annual Mortar Board Scholarship dinner in Thompson hall Thursday night.

Miss Thomas' name was engraved on a plaque that hangs in Recreation Center. This signifies that she earned the highest scholastic average of any woman in her freshman class. Named second in scholastic ranking were Betty Jeanne Brass, Wilmore, and Nan Louise Sperry, Overland Park.

One hundred twenty junior women also were recognized at the dinner. They were named scholastically eligible for membership in Mortar Board, senior women's national honorary society.

Besides the recognition of freshmen and juniors, the program consisted of a vocal solo by Vivian Marlow, Meade, and a speech by Mrs. Stanley Ginn, national director of Mortar Board from Aurora, Mo. Dorothy Beezley, Girard, president of Mortar Board, was toastmistress.

Engineers, Home Ecs Mixer

More than 900 students attended a no-date mixer of students in the Divisions of Home Economics and of Engineering and Architecture in Nichols Gymnasium Saturday night.

Bonfield to Officers School

Pvt. First Class Joe Bonfield, M. I. '39, has left Ft. Riley for Camp Lee, Va., where he will attend the Quartermaster Corps Officer Candidates course. Private Bonfield, a selectee, has served eight months in the army at the School for Bakers and Cooks at Ft. Riley. Upon successful completion of the three months' course, Bonfield will be commissioned a second lieutenant in the Officers Reserve Corps. During his senior year at Kansas State College, Bonfield was a member of the student council, business manager of the Royal Purple, president of Blue Key, and president of Sigma Alpha Epsilon social fraternity.

DAIRY CATTLE BREEDERS WILL MEET FOR ANNUAL SCHOOL NOVEMBER 18-19

Prof. F. W. Atkeson Says Program Planned to Help Kansas Place Enterprises on Sound Basis

The Department of Dairy Husbandry will hold its annual two-day school for dairy cattle breeders on Tuesday and Wednesday, November 18 and 19, Prof. F. W. Atkeson, head of the department, announced today.

The program has been designed to aid the average Kansas dairy farmer to put his dairy enterprise on a sound basis, instead of the "hit-or-miss" management practices followed by many owners of small herds, Professor Atkeson said. All meetings will be held in West Waters hall, with the exception of the luncheons and banquet, while will be in the College cafeteria.

The program includes 14 topics to be discussed by members of the Dairy department staff, the Department of Agronomy and the Division of College Extension. Professor Atkeson will discuss "Horse and Buggy Methods vs. Modern Farm Planning,"

Dr. H. H. Laude, weather-crops specialist of the Department of Agronomy will discuss Kansas weather and how the farmer can meet it. Other agronomy topics on the program include a discussion of cropping systems, by E. A. Cleavenger; and temporary and permanent pastures, by Kling L. Anderson.

Prof. F. C. Fenton, head of the Department of Agricultural Engineering, will make recommendations on "How to Make Good Hay." The part the Kansas dairyman can do in the national "Food for Defense" program will be discussed by J. W. Linn, extension dairy specialist.

Improvement of the quality and nutritive value of dairy cattle feeds will be discussed by Dr. H. E. Bechtel of the dairy department. Doctor Bechtel also will review the place of grass silage in the Kansas dairy program. Dr. J. A. Hodges of the Department of Agricultural Economics will discuss the organization and management of Kansas dairy farms.

Members of the Dairy Club, an organization of students in the department, will serve a luncheon in West Waters hall on the second day of the program.

THIRD GROUP OF MEN START CIVIL PILOT TRAINING WORK

Ten Students Are Enrolled for Aviation Course

Ten members of the third elementary unit in the Civil Pilot Training program began training recently.

Members of the new elementary flying unit are Ralph Schlicht, Clifton; Max Oelschlaeger, Manhattan; Robert Brunson, Leavenworth; Paul Clingman, Harlan; Raymond Petereson, Enterprise; Milt Dean Hill, Kansas City; Leonard Akes, Dennis; Albert N. Nelson, Chicago; Ray Nelson, Wichita; and William Deam, Manhattan.

EVERYDAY ECONOMICS

By W. E. GRIMES

"It is the abuse of tenancy that needs correcting rather than to abolish tenancy."

Tenancy in itself is not an evil. It is an opportunity for persons who wish to farm but who do not possess the land needed. The land is secured by renting it from those who own it and do not wish to operate it. The evils in tenancy grow out of its abuse.

Tenancy involves human relations. When these relations are on a satisfactory basis there are no evils in tenancy. If the landlord and tenant establish relations between each other and to the land so that the

COLLEGE ROMANCE, ENGAGEMENT SPURS FOOTBALL PLAYER TO GREATER EFFORT

Bothered by center worries only a couple of weeks ago, Kansas State College football coaches prepared for Nebraska this week confident the position will be well manned by John Hancock, St. Francis, a big lad inspired by a College romance.

After spending last season on the third team and playing average ball in Kansas State's first two games this fall, Hancock suddenly exploded with stellar, 60-minute performances against Missouri and Oklahoma. He was one of the top linemen on the field in these contests and if his fine play continues, he will be a strong

candidate for all-Big Six conference honors.

Behind Hancock's surprising improvement is a love affair which October 17 led to the announcement of his engagement to Miss Nancy Donnelly, a sophomore from Stafford, Kan.

The romance hadn't been running so smoothly until several days before the Kansas State-Missouri game, Hancock said. But everything became all right then, and Hancock predicts even better gridiron performances the remainder of the season.

BASKETBALL PRACTICE BRINGS 16 OUT FOR BERTHS ON THIS YEAR'S SQUAD

Five Lettermen Return This Fall While Four Sophomores Will Report When Football Season Ends

Sixteen candidates, including five lettermen, began basketball practice at Kansas State College last week under Coach Jack Gardner.

Returning "K" winners of last season are Jack Horacek, Topeka, and Danny Howe, Stockdale, forwards; Dean Lill, Mt. Hope, center; Larry Beaumont, El Dorado, and George Mendenhall, Belleville, guards.

Four sophomores—John Bortka, Kansas City; Darren Schneider, St. Francis; Bill Engeland, Sterling; and Bill Cochran, Salina—will report when football season ends.

Other candidates: Marlo Dirks, Moundridge; Robert Ekblad, Manhattan; Bruce Holman, Powhatan; Frank Kirk and Fred Kohl, both of Kansas City, Mo.; Kenneth Mossner, Arkansas City; Marion Miller, Topeka; Jack Nash, Lakin; Max Roberts, Chanute; Paul H. Schroeder, Lorraine; and John St. John, Wichita.

RAINS DURING PAST MONTH "DESTRUCTIVE" TO FARMS —CALL

Director of Experiment Station Cites Loss to Kansas in Soil Erosion

Torrential rains that fell in several sections of Kansas during the past month were "even more destructive" to Kansas agriculture than were the floods in the river and creek bottoms, in the opinion of Dean L. E. Call, director of the Kansas Agricultural Experiment station.

"The greatest loss to Kansas has been the erosion of upland soils," Dean Call said. "The crops destroyed by flood water in the valleys can be replaced by even more abundant crops that may be grown in succeeding years. The flooded farmsteads and buildings will dry out eventually without much irreparable damage, but the soil that has eroded from the uplands of Kansas is gone forever and the state has lost permanently an irreplaceable resource."

The vicinity of Manhattan during October received more than four times the average amount of precipitation. By October 21, 10 inches had been received, the highest on record as compared with the long-term normal of 2.1 inches for the month. Many other localities in the state were even more "hard hit" by excessive rainfall. An area in central Kansas received more than 10 inches in one continuous rain.

NUTRITION REFRESHER COURSE WILL START HERE ON MONDAY

Mrs. H. L. Ibsen Directs Training for Area Around Manhattan

As part of the statewide Nutrition for Defense program, a refresher course for home economics trained women in this area will be held Monday at Calvin hall under the leadership of Mrs. H. L. Ibsen, of Manhattan.

More than 100 women living within a 50 mile radius of Manhattan may attend the course which will aid them in organizing nutrition study groups, giving health talks and publicizing the program.

Similar courses already have been held in Topeka, Wichita, Pittsburg and Kansas City while others are planned for Colby, Hays, Ottawa and Dodge City.

Mortar Board Will Sell Mums

Saturday will see Mortar Board girls selling chrysanthemums again. Selling mums on Homecoming is an annual project of the senior women's honorary society. Jane Haymaker, Manhattan, is sales chairman.

WILDCATS PREPARE FOR CLASH WITH NEBRASKA ON SATURDAY

GAME WITH HUSKERS HIGHLIGHTS HOMECOMING

Coach Hobbs Adams Uses Past Two Weeks to Drill Squad in Fundamentals of Blocking, Tackling, Ball Handling

Rested after a weekend layoff, the Kansas State Wildcats have begun a week of hard drilling as they practice for their contest with the University of Nebraska Cornhuskers in the annual Homecoming Day football game Saturday.

Nebraska received its first conference defeat of the season last Saturday when the University of Missouri Tigers swept over a touchdown in the early seconds of the fourth quarter for the only score of the game. This led Coach Hobbs Adams, Kansas State mentor, to comment Monday that the Cornhuskers will be tougher than ever this weekend.

TRAIN IN FUNDAMENTALS

Adams turned the week's vacation from competition to his advantage by giving his charges some much needed training in fundamentals. Blocking, tackling and ball handling practice was on the program for every night's workout last week. Adams said it was his first chance since the opening of the season to give the squad live practice in blocking and tackling because of the chance for injuries.

The layoff also gave the Wildcats a chance to heal up old injuries. Ed Huff, husky 215-pound guard, is the only squadman still on the doubtful list. A persistent knee injury has yet to heal and may keep him on the sidelines for at least a part of the game.

SQUAD OF 1931 INVITED

Twenty-two "K" men of the 1931 football squad have been invited to attend the Homecoming Day game by the Department of Physical Education and Athletics. Several of these men helped whip Nebraska in 1930 for one of the two K-State wins over the Cornhuskers.

MORE THAN QUARTER OF STUDENT BODY HAS BEEN ENROLLED AS 4-H MEMBERS

Approximately 30 Per Cent of Freshmen at One Time Belonged to Clubs

Kansas 4-H clubs are represented here by 1,062 students, or 28.2 per cent of the total enrollment. According to figures announced recently, that many of the students either are now or have been 4-H club members.

Approximately 30 per cent of the freshmen this year are 4-H club members, whereas only 25.7 of the frosh who registered a year ago were members. A slightly larger number of 4-H club members were enrolled last year, but their aggregate formed a smaller proportion of the total number of students in the College.

The Collegiate 4-H club has a membership of 478. The organization's rolls include 11.89 per cent of the student body, as against 7.82 per cent a year ago.

The 1,062 members and former members of 4-H clubs are divided among the classes as follows: freshmen, 390; sophomores, 294; juniors, 202; seniors, 176. Club members enrolled in the Division of Agriculture number 320, in the Division of Home Economics 330, and in all other divisions a total of 412.

20 STUDENTS ARE LISTED IN COLLEGIAN WHO'S WHO

Two Junior Women and 18 Seniors Designated as Campus Representatives

Twenty juniors and seniors are listed in the 1941-42 Who's Who Among Students in American Colleges and Universities. The book is a compilation of biographies of outstanding students of America.

The seniors named were Mary Griswold, Manhattan; Dorothy Beezley, Girard; Alma Deane Fuller, Courtland; Jane Haymaker, Manhattan; Marjorie Rogers, Manhattan; Lawrence Spear, Mission; Pierce Wheatley, Gypsum; William Bixler, Emporia; Raymond Rokey, Sabetha; Ralph Perry, Oskaloosa; Philip Myers, Formoso; Arlin Ward, Manhattan; Robert Singleton, Kansas City; Robert Wagner, Garden City; Donald Moss, Miltonvale; John Hancock, St. Francis; Oscar Norby, Pratt; Robert Lank, Kansas City.

The two junior women were Mary Margaret Arnold, Manhattan, and Patricia Beezley, Girard.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, November 5, 1941

Number 8

FARRELL ASKS MORE SERVICE TO LARGER NUMBER OF YOUTHS

PRESIDENT SPEAKS AT ANNUAL
EXTENSION CONFERENCE

College Head Lists 10 Responsibilities
Which Should Be Developed
in Young Folk
of State

Pres. F. D. Farrell today urged that "benefits now enjoyed by 20-odd thousand 4-H club members" in Kansas and a much "smaller number of organized older youth" be extended to larger numbers of youth.

Speaking before some 450 persons attending the Annual State Extension Conference on the College campus, President Farrell drew attention to "unfulfilled responsibilities" to rural youth and offered "ten qualitative responsibilities . . . involving the objectives of extension teaching provided for rural youth."

"UNFULFILLED RESPONSIBILITY"

"In Kansas there are more than 200,000 rural youth of 4-H club age," he told the extension workers. "Only about 10 to 15 per cent of the members of this group engage in 4-H club work. This indicates a large unfulfilled responsibility."

"There are in Kansas at least 150,000 rural youth in the older youth category. An even smaller proportion of this group than of the 4-H club group is being reached directly by extension teaching. Here again is unfulfilled responsibility."

The expansion of service to these groups, he said, awaits increased financial support.

In his address titled, "Our Responsibilities to Rural Youth," President Farrell listed these responsibilities:

(1)—To develop practicality in individual and group activities, particularly those involving economic affairs, such as crop, animal and clothing projects.

DEVELOP SELF-RELIANCE

(2)—To develop business-like procedures, especially in buying, selling, the keeping of records, the use of credit, and the practice of thrift.

(3)—To establish methods of "beginning where we are" instead of waiting for perfection before beginning.

(4)—To develop a spirit of self-reliance, individually and by groups.

(5)—To develop a co-operative spirit for use in undertakings that are not feasible for individuals acting alone.

MUST ACCEPT RESPONSIBILITIES

(6)—To develop active and discriminating interest in the non-economic values of rural life, such as music, home beautification, and recreation.

(7)—To develop understanding and sense of individual and group responsibility in relation to public affairs (such as taxation, law observance and education), particularly in the local community, but also in state and national affairs.

(8)—To develop appreciation of rural spiritual values as potential rewards of agriculture and country life.

SHOULD LOVE LAND

(9)—To develop a keen love of the land.

(10)—To develop a sense of stewardship in relation to natural resources, such as land, water and wild life.

"Every one of these objectives is being sought now in our extension work with rural youth," the President said. "It is our responsibility to do whatever we can to see that they are attained to an increasing degree by an increasing number of the rural youth of the state."

PLAN TO SIDESTEP PITFALLS

At the opening session of the conference Monday, Dean H. Umberger of the Division of College Extension, said that agricultural leaders planning the nationwide "food for freedom" campaign are taking special steps to sidestep the pitfalls into which the nation plunged in expand-

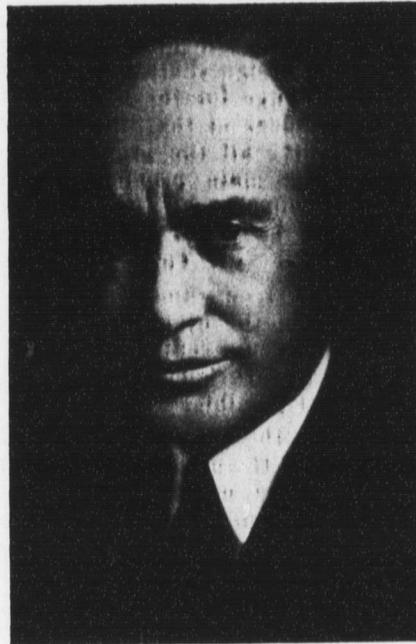
(Continued on last page)

HOW ALUMNI MAY HELP THE COLLEGE

The following is a summary of a statement made to the Board of Directors and the Advisory Council of Kansas State College Alumni association at Manhattan, October 31.

By F. D. FARRELL

This discussion is based on the fact that an increasing number of Kansas State College alumni are eager to help the College and on the fact that many alumni are interested



PRES. F. D. FARRELL

in concrete suggestions of how they may help. It is a pleasure to offer the ten suggestions which follow:

1. Continue the campaign for life memberships. These memberships now number about 1,100; about 7

per cent of the 15,000 graduates. They help the College by providing financial assistance to worthy students and by strengthening the Alumni association. It should be possible to double the number of life memberships in the next ten years. As the alumni student-loan fund based chiefly on these memberships now exceeds \$75,000 and as other student-loan funds are increasing, it might be desirable to allot a portion of future receipts from life memberships to purposes other than the loan fund.

2. Establish a library fund. Many colleges have improved their libraries through financial assistance from alumni. Our own library is in great need of increased financial support. With enrollment running far ahead of state appropriations, it is not possible now to provide increased support from public funds. At present we expend about \$40,000 a year on the library for staff, books, periodicals and other expenses. Swarthmore college, with 700 students, expends \$50,000 a year on its library. We could increase by almost one half our present annual book purchases with a 3 per cent annual income from an alumni library fund equal to the present alumni loan fund. I commend a library fund particularly to your consideration, either as a life membership fund or as an outright gift.

3. Establish an art-collection fund. Every technical college has a struggle to liberalize adequately the technical training of its students. A rich collection of paintings, statuary

(Continued on last page)

DIRECTORS AND ADVISORY COUNCIL APPROVE CREATION OF NEW COLLEGE ALUMNI FUND

Program Would Provide Money for Such Projects as Library Purchases, Works of Art, Cultural Programs, Endowment of Chairs and Unrestricted Donations

Creation of a new alumni fund for Kansas State College, to care for certain needs of the College not financed by the State Legislature, was approved by the Board of Directors and the Advisory Council of the College Alumni association at a meeting on Homecoming eve, October 31, at Manhattan Country club.

"This may prove to be the most progressive step in the history of the College Alumni association," commented Hal W. Luhnow, '17, Kansas City, association president, on the action taken.

The new program as outlined goes even beyond suggestions made to the Board and the Advisory Council by Pres. F. D. Farrell as the result of a request by the two groups. The President's recommendations, printed in full elsewhere in this issue of THE KANSAS INDUSTRIALIST, were discussed by him with the two groups, after which Mr. Luhnow led in setting up a vigorous program of action.

The new alumni fund will be set up separately from the Alumni Loan fund and the basis of membership in the College Alumni association (annual dues or life membership) will not be changed.

Projects for which money raised during the current year under the new Alumni Fund plan is to go were outlined as follows:

1. A library fund, to supplement the limited state appropriation for maintenance and book purchases for the College library.

2. Any specific purpose selected by the donor, such as:

Purchase of works of art, supplying of cultural programs for college audiences, additions to the loan fund or the Chimes Tower fund, financing of a hospital or hospital unit, endowment of a chair or chairs in the College, scholarships, furnishings for a student union building, low-cost student housing.

3. Unrestricted donations, whose

disposition would be left to the Board of Directors of the association, acting after getting the advice of College officials as to the most urgent needs.

"The Kansas State College Alumni association has been eminently successful in administering student loan funds," Mr. Luhnow commented. "This project will be continued, but other projects will be added—projects that will challenge the interest and, we hope, the support of men and corporations of wealth as well as those of moderate means."

HOW FAMILIES MAY MEET PROBLEMS TO BE DISCUSSED AT CONFERENCE

Sessions on Rethinking Home Management Will Assemble on Campus
November 13-15

To strengthen courses in household economics and household management to help meet present problems of families, a Kansas conference on Rethinking Home Management will meet here November 13, 14 and 15.

The first of its kind to be held on any college campus, the conference will be attended by representatives from the United States Office of Education, Washington, D. C., the American Home Economics association, related College departments and state agencies and by those responsible for home management courses in schools in Kansas and adjacent states.

Dr. Ruth Lindquist, head of the Department of Household Economics, is arranging the three-day program of panels and discussions. Inspection of the Junction City housing projects is tentatively planned.

Miss Edna Amidon, chief of the Home Economics Education Service, Washington, D. C., and Miss Rue Van Horn, central regional agent of the same agency, will attend.

Miss Josephine T. Berry, of Kansas City, pioneer in the field, will attend.

HOMECOMING ACTIVITIES REACH CLIMAX WITH UPSET VICTORY OVER FAVORED NEBRASKA FOOTBALL TEAM BY SCORE OF 12 TO 6

APPROXIMATELY 7,000 SPECTATORS CHEER MUD-COVERED WILDCATS
ON HISTORY-MAKING PARADE TO TRIUMPH

Kansas State College Students Celebrate Monday by Taking Holiday from Classes in Recognition for First Win Over Cornhuskers on Manhattan Gridiron in Competition Between Two Schools; Governor Presents Barbara Sperry to Throng

Climaxing Homecoming activities Saturday was the history-making Wildcat victory over the Nebraska Cornhuskers. It was the first football victory made by Kansas State College over the University of Nebraska on the home gridiron.

Happy Queen



Barbara Sperry, Overland Park, above, was the Homecoming queen that reigned over Saturday's game in which the Kansas State College football team scored its first victory over the University of Nebraska squad on a Manhattan playing field.

UNIT OF COLLEGE AVIATION CADETS BEING FORMED ON CAMPUS THIS WEEK

Kansas State Probably is First Mid-western School to Offer such Courses in Flying

A 20-man unit of Kansas State College aviation cadets is being organized this week.

Lieut.-Col. James K. Campbell, head of the Department of Military Science and Tactics, said that the purpose of the unit, which is open to senior men students only, is the completing of records and fulfilling of requirements necessary for entrance into the Army Air corps as navigators, observers or pilots. It is being formed under a nation-wide program by the War Department.

The group, probably the first of its kind in any Midwestern college or university, will have regular meetings during the year. The meetings will be professional in nature, previewing the positions that are open in the army aviation field and possibilities for college graduates to obtain them. The men in the new unit will complete records and papers necessary for entrance into the Army Air corps before commencement in the spring, so that they may be eligible at once to enter the Army Air corps.

Entrance into two priority classes of the corps is possible for Kansas State College graduates. Requirements for entrance into the first priority class includes graduation from accredited colleges or universities with a degree in engineering. Graduates of accredited colleges or universities who have had college algebra and trigonometry will be eligible for the second priority class, though applicants who have had mathematics courses in analytical geometry, spherical trigonometry and differential and integral calculus will be given preference.

Editors To Meet on Campus

The fourth district of the Kansas Press association will meet on the Kansas State College campus next Saturday morning. Head of the district group is Earl Fickert, editor of the Peabody Gazette-Herald. The members will attend the South Carolina-Kansas State football game.

Approximately 7,000 spectators cheered mud-covered Wildcats as the score rose and ended, 12 to 6, assuring Kansas State College students a holiday Monday. Though it was one of the smallest Homecoming crowds, Kenney L. Ford, alumni secretary, named the day one of the best Homecomings in Kansas State College history.

GOVERNOR PRESENTS QUEEN

While football heroes shed coats of mud between halves, Gov. Payne H. Ratner presented the Homecoming queen, Barbara Sperry, Overland Park. Introduced as her attendants were Betty Glidden, Osborne, and Janet Austin, Topeka.

During halftime, Delta Tau Delta, social fraternity, was awarded a cup for the best house decorations. Its exhibit of a giant wildcat beheading a small football player with an ear of corn as its head was judged the most effective Friday night by Dr. R. W. Babcock, dean of the Division of General Science; John F. Helm, Jr., professor in the Department of Architecture and Art; and Hal Harlan, Manhattan attorney.

Ranking second in Homecoming decorations was Sigma Phi Epsilon, whose exhibit followed a national defense theme. Phi Delta Theta ranked third with its corn roasting party.

REUNIONS IN STADIUM

After the final gun shot ended the game, Kansas State College alumni met friends and classmates in the Memorial Stadium. This was the first time such provisions for class reunions have been made. According to Mr. Ford, they will be made for future Homecomings. An alumni luncheon was held at noon time in Thompson hall.

At 6 p. m. Saturday the K fraternity held its annual football dinner in Thompson hall. After the Homecoming varsity in Nichols Gymnasium, Kansas State students saw Nebraskans off on the midnight train. Students celebrated the Homecoming victory and a classless holiday at a free jam session in Nichols Gymnasium Monday afternoon.

ALDEN G. STRONG, E. E. '11, NAMED BRIGADIER GENERAL IN ARTILLERY

Newly Promoted Officer Came to College from Goddard in 1905 and Was Baseball Star

Alden G. Strong, E. E. '11, recently was promoted to the rank of brigadier general in the United States Coast Artillery corps, according to information received by officials in the Department of Military Science and Tactics.

General Strong came to Kansas State College from his home at Goddard, Kan., in 1905 and attended intermittently until 1911, when he received his degree. In his senior year, he was a star baseball player for the Wildcats, the despair of many Missouri Valley conference pitchers.

Later, he was in charge of the American Expeditionary Forces baseball league in Germany, which was organized for the benefit of the teams in the army of occupation.

General Strong, who is 56 years old, was a major in the reserve corps of the field artillery during the World war of 1914-18. In 1920, he received his discharge from the reserves and entered the regular army as a second lieutenant in the same year. He was stationed at the Adjutant General's office in Washington, D. C.

General Strong is a distinguished graduate of the Command and General Staff school.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKREY Editor
HILLIER KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$30 cash or in installments. Membership in alumni association included.



WEDNESDAY, NOVEMBER 5, 1941

WOW!

"Football . . ." began the Old Grad as soon as he had recovered from the shock of having the Inquiring Reporter ask for his views on the place and function of the game in college life.

"Football is a great and useful institution because it furnishes one of the rare occasions on which a College like ours gets together as a College—alumni, students, future students, friends. It is a great force for breaking down divisional and departmental lines. Whether the team wins or loses doesn't really matter so much."

"Football . . ." the Old Grad added philosophically after getting comfortably settled to watch the Kansas State-Nebraska Homecoming game. ". . . Football furnishes training in coordination and team work for the boys who take part in it and for many others, including the musicians who entertain between halves.

"Whether the team wins or loses doesn't really matter so much. They get the training and I like to come back to see the spectacle of it all and meet my old friends. . ." Just then the Old Grad broke off to watch the kickoff.

"WOW!" shouted the Old Grad as the Inquiring Reporter attempted to continue the interview immediately after the football game.

"Whatta day! Whatta boy that Zeleznak is! Whatta football team! Boy, won't I tell those Nebraska grads off next Monday! And those guys who didn't come to the game because they thought we didn't have a chance! WOW!"

THE SIEGE OF THE COOK BOOK

Increasing substitution of the refrigerator for the cook-book may result from recent developments in the frozen foods industry as reported by H. C. Diehl of the Western Regional Laboratory of the United States Department of Agriculture.

"All-in-one" dishes of food pre-cooked and then frozen are called by Mr. Diehl "the most promising advance in the whole frozen food industry." Already retail buyers in Southern California can get certain precooked frozen combinations of meats and vegetables. Cartons of frozen ready-to-heat-and-eat soups and stews containing servings for four have proved popular.

Everything "from soup to nuts" has been tried out experimentally in the laboratory. Mr. Diehl reports. Well-liked combinations include different kinds of stews containing cubed meats, carrots, onions, potatoes, or other vegetables; boned chicken and turkey rolls with stuffing; and several cooked desserts.

Those conducting the experiments assert that every care is taken to retain all possible food values, color and flavor, and that vitamin losses are further reduced by prompt handling at every stage. When cooked ready for the table, the foods are quick-frozen. The consumer merely heats the frozen product and serves it. A transcontinental airline has ordered an assortment of these precooked frozen foods to be served on passenger planes. Their use in emergency or combat feeding of defense forces, in situations in which refrigeration is available, is being studied.

At first glance these advances in frozen foods, combined with advances

which the canned goods and baking industries already have made, might indicate a dark future for the cook book. However, in addition to the cost factor which must be considered, there are many others that will operate to keep the cook book in the kitchen. Preparation of food is a satisfying art and science as well as a method of satisfying a basic human requirement.

There are aesthetic values to be obtained through use of the roaster and the mixing bowl as well as the paint brush and palette. And the seasoning that suits the taste of Mr. Diehl of the U. S. D. A.'s western laboratory, and of other Californians, is pretty sure not to suit such rugged mid-western individualists, say, as Captain Dan Casement of Manhattan, Kansas.

There are a good many ramparts yet to be scaled before ready-prepared foods take the citadel of the cook book.

BOOKS

The Editor from Emporia

"William Allen White, The Man from Emporia." By Everett Rich. Farrar and Rinehart, New York, 1941. \$3.

"William Allen White of Emporia." By Frank C. Clough. Whittlesey House, New York, 1941. \$2.50.

Most folk outside of Kansas think of William Allen White as the state's most distinguished citizen. It was not unusual then that he should eventually become the subject of a biography. However, it was out of the ordinary that two biographies should appear within the matter of a few weeks.

Mr. White was fortunate in having two biographers such as Everett Rich, assistant professor of English at Kansas State Teachers college at Emporia, and Frank C. Clough, managing editor of the Emporia Gazette.

These two biographies give the two aspects of contemporary history telling. Professor Rich stands on the outside of the "Gazette family" and through penetrating research and study of published sources tells the story of how the Kansas editor became a national figure and remained one to the present day. Mr. Clough draws from his recollections of Mr. White throughout 20 years on the Gazette staff.

In Professor Rich's book, the reader finds copious quotations from editorials in the Gazette, articles by the Kansas editor printed in nationally circulated publications and other sources in print. Mr. Clough develops his story through incidents about Mr. White or other members of the "Gazette family." From this background, it is logical then that readers of both biographies obtain a picture of Mr. White as a human being, kindly, generous but shrewd when he needs to be, from Mr. Clough's book and the story of the editor's philosophical development and growth from Mr. Rich's volume.

William Allen White's mental growth and spiritual development from the author of "What's the Matter with Kansas?" to a Progressive supporter of Theodore Roosevelt and a supporter of subsequent liberal attitudes is a fascinating story. So many individuals receive their college diplomas and then clamp shut their minds to any new ideas. Locked minds are an intellectual tragedy for the individuals involved, their communities and the world. Mr. White's life story is the mental blooming of a vigorous mind. It is—or should be—an inspiration to all those whose minds are not now under lock and key.

Mr. Rich has built this phase of Mr. White's life into his book as a fundamental part of the Emporian's biography. That is one of the admirable parts of the volume.

Mr. Clough shows Mr. White as the busy editor in his office—but with the door open to all visitors. He portrays Mr. White serving as a judge of the Book of the Month club, a widely quoted Kansas editor and the author of best selling books. He is no human dynamo without a heart and Mr. Clough does not so portray the editor. The death of Mary White and what it did to the family is told. So is the important role of Mrs. White. So are the parts of those other individuals on the Gazette told.

Taken together, these two biographies, one from the "inside" and the other more objective and scientific, throw two spotlights on William Allen White. As with lighting in photography, together they give a focus and depth that would be almost impossible in a single book.—Hillier Kriegbaum.

SCIENCE TODAY

By H. E. WICHERS
Associate Professor,
Department of Architecture

Farm house architecture has been the stray cat among American home structures for many, many years. Only in comparatively recent years have Americans given it even a small part of the consideration it deserves. Those who built farm houses in the past seemed to just get along on what they could find, what they could borrow and anything left over from other housing.

As a result, it is difficult to find a farm home over 10 years old that really fits its purpose. Most farm house plans were borrowed, lock, stock and barrel, from some city house plan book which the local lumber dealer happened to have in his office. Special farm conditions and special farm problems were in most cases completely ignored, the result was little more than shelter.

In this age, in most other structures, shelter is more or less taken for granted, while considerable time and thought are spent on proper arrangement, proper location of rooms, proper location of equipment and good circulation. In plain English, the important element is seeing that the building adequately solves a particular problem, of course shelter enters in but as a tool, not as the objective.

Quite generally it is felt that shelter will be provided in any case; but if the plan is wrong, then shelter will be useless or even a hindrance. At present this constructive attitude applied to the farm house would produce many changes. Some of these changes would be quite simple and some rather radical. The majority of the elements in the house, the commonly-used rooms would remain practically the same, and the suggestions for the city house would be applicable to the farm house but in the vitally important elements such as plan arrangement, proper location of rooms, proper location of equipment and good circulation, there would be a radical change.

The reason for this is quite simple. In the city house the entrance is from the street, in the farm house, the entrance is from the drive, not the highway. In the city house, the rear entrance is not much used. In the farm house, the rear entrance is used by the whole family. In the city house, the rear entrance is primarily an entrance to the kitchen, a service door to the kitchen. In the farm house, this is not true. Many members of the family enter the house from the rear who have no desire to go to the kitchen. In the city house, the laundry or workroom is used principally for laundry work consequently the workroom can be in the basement. In the farmhouse, the workroom is in almost constant use so the best place for it is on the first floor at the rear of the house not too far from the kitchen.

THE RIGHT TO CRITICIZE

The liberty of expression cannot be curtailed in this country; our people would never permit it. In a like manner, the right to criticize, to commend and to condemn will always be upheld so long as we have our American form of democratic government.

That right is as American as any part of our Constitution.—Edith Nourse Rogers, Representative from Massachusetts, in the St. Louis Post-Dispatch.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Mildred Bobb, '27, was manager of the Girls' Middle school, a Methodist mission in Muttra, India.

F. D. Wilson, '28, was in charge of the dairy work at Umatilla Field station, a state and government experiment station at Hermiston, Ore.

Pres. F. D. Farrell addressed the Kansas division of the American Federation of Women's clubs at Independence, using as his subject, "Adversity and Common Sense."

TWENTY YEARS AGO

John B. Brown, '87, was superintendent of the United States Indian school at Phoenix, Ariz.

Ola (Bowman) Raymond, '11, was teaching in the Newton high school

These are just a few of the basic differences between the farm house and the city house and they point out why a plan arrangement for one will not work efficiently for the other.

Careful study of a good farm house plan will reveal many other differences but these point out why the farm house must be considered separately if a successful solution is expected.

Here at Kansas State College, the Department of Architecture has made something of an issue of this problem and has tried to present material that would help farm people to solve their own problems. In the process of developing usable material it became evident that attention should be centered on a few fundamental ideas.

As a result a catch phrase the "Big Three" of farm house design came into use. If the ideas behind the "Big Three" can be incorporated into farm house design there is generally a radical change for the better. Following the ideas of the "Big Three" does not solve all the problems but it solves the main problems. If a farm house incorporates these ideas, the rest can be added without great difficulty. The "Big Three" are:

1. Let the front door face the drive not the highway.
2. Make use of a central rear hall.
3. Place a workroom on the first floor, if possible.

These are the three fundamentals which applied to any farm house plan will make it a much more usable, more convenient house for farm families. In a number of cases where a farm family had selected a plan that was "as good as any they had found," the "Big Three" measuring stick was applied. A radical change took place and the result was a plan much better suited to farm living, better suited to saving labor, time, and disposition.

These ideas can be applied to any farm home whether it is to be rebuilt, remodeled or built new. These basic ideas kept in mind and used as a guide help the farm house builder to better, in one way or another, the plan arrangement and workability of his farm house.

Of course, like any idea that is new or different, the effect is not generally felt until the people concerned have had a chance to pass judgment, until there is an opportunity to compare it with the results of old ideas. In Kansas, we are slowly building a few farm houses that conform to the "Big Three." This process has been going on for a few years and we already have a national farm magazine and one of the larger national building manufacturers backing this idea.

In a few years we feel that the "Big Three" will become well known and commonly used, and that the "Big Three" will be of real help in bringing about better farm homes and better farm living conditions.

and also had two classes in home economics at Bethel college.

Carl P. Thompson, '04, of the Oklahoma Agricultural and Mechanical college, Stillwater, visited friends in Manhattan and at the College on his way to the National Dairy show, St. Paul, Minn.

THIRTY YEARS AGO

W. L. Blizzard, '10, was employed in the Department of Animal Husbandry at the College.

Miss Edith Justin, '08, was teaching domestic science and art in the county high school at Clay Center.

Dr. A. Emch, M. S. '94, with the University of Illinois, had three articles published in different languages. The articles were: "Mathematics and Engineering" in the November issue of Popular Science Monthly, "Solution of an Important Problem in Hydraulics" in the Archiv für Mathematik und Physik, published in Berlin, Germany, and "A New Apparatus Transforming Potential into Kinetic Energy" in L'Enseignement Mathématique, published in Paris.

FORTY YEARS AGO

I. D. Graham, secretary of the College from 1881 to 1898, was associate editor of the Kansas Farmer.

D. G. Fairchild, '88, agricultural explorer for the United States Department of Agriculture, started on a

trip to China and Tibet.

F. M. Jeffery, '81, formerly of Cripple Creek, Colo., was located in Seattle, Wash., where he made the practice of mining and corporation law a specialty.

FIFTY YEARS AGO

D. E. Bundy, '89, was farming near Blue Rapids.

Maud Sayers, '89, presented a paper before the Women's Social Science Club at Hutchinson. The subject was "Hidden Danger in Flood."

The October issue of Insect Life, a periodical issued by the Division of Entomology, United States Department of Agriculture, contained an abstract of Professor Popenoe's paper on the recent outbreak of locusts in Colorado.

SIXTY YEARS AGO

Will Sternberg, a former student, was a lawyer in Rochester, N. Y.

Total enrollment of College students was 256.

Professor Hofer was engaged for one year to play the organ at the Methodist church.

KANSAS POETRY

Robert Conover, Editor

BLITZKRIEG

By Dorothy Brown Thompson

Down the rows, this mowing-morning,
Comes the combine without warning,
Leaving large bewildered trouble
For the small lives in the stubble.

What should ant and mole be knowing
Of man's purpose in his mowing?
This, for toad and meadow-mouse,
Means the ruin of his house.

They will move and build again. . . .

Presently come other men.

SUNFLOWERS

By H. W. Davis

REQUEST NO. 171

Before long it will be time for America to go into a couple of Thanksgiving celebrations. They will mess up vacations and football attendance and cause one awful lot of indigestion, but we have to have them.

I have only one advance request to make of my beloved native land: that it somehow restrain itself from being thankful for the peace and quiet prevailing in these United States while the rest of the world revels in mass murder, savagery, blood and bullets.

I don't like that kind of thanksgiving. It sounds smug, self-righteous and selfish. It proves nothing except that other peoples are doing the fighting and dying in a struggle against an admitted enemy, while we do the mere manufacturing. Somehow or other I cannot be proud of that, and do not like to have the matter brought up. If you are determined to be thankful that way, please wait until I leave the room.

It's all right to be thankful for good health, bountiful crops and other components of God's great bounty. These come direct from God; and no thousands of people have to suffer and die that we may receive them.

But the civil liberties and rights we enjoy are man-made and man-preserved; and this year they are more or less in question all over the world. There is a ravaging hyena loose seeking to devour them. In France, Italy, Poland, Denmark, Belgium, Holland, Greece and many other smaller states he has already devoured them. Is it polite and proper to be thankful he has not got to us yet?

Maybe before Thanksgiving we shall move into the open against him. Who knows? Anything can happen in a week. Maybe we shall be honestly and really at war. What will be left to be thankful for then?

Nothing except our frankness and unselfishness and willingness to pay for the liberties we enjoy, I figure.

So Thanksgiving need not be a complete flop, even if the worst comes.

AMONG THE ALUMNI

W. A. Anderson, B. S. '91, 6410 Willard street, Shreveport, La., is district manager for the Modern Woodmen of America in Louisiana. He will be 71 on November 29. His oldest son, Raymond Correll, A. B. '20, Phi Beta Kappa, and later C. P. A., died in 1938 from appendicitis. The remaining son, Aubrey, Missouri U. '26, lives with Mr. Anderson, who has five grandchildren—two girls and three boys.

In the last general election, he received the highest vote cast for any candidate for member of the Democratic Parish Executive committee, the only political office he has ever held.

He is teacher of the Men's Bible class, Kingshighway Christian church, and is elder and secretary of the official board of the church. For many years, he wrote a column for the Shreveport Daily Journal entitled "Brevities" by "Arthur Rex." He says he has several large scrapbooks filled with his articles on various subjects.

George McClung Green, f. s. '97, is a lawyer, solicitor for Atchison, Topeka, and Santa Fe Railway company. His business address is 735 First National bank, Oklahoma City, Okla. He and Ellen (Lennert) Green live at 1107 W. Nineteenth, Oklahoma City.

Martha (Nitcher) Sowers, B. S. '01, did a lot of "after-reunion" work this summer. She wrote a four-page letter about the members of her class of '01 who attended the reunion at Commencement and those who wrote her, and sent a copy of the letter to each of the 45 members of the class.

Wilson G. Shelley, Ag. '07, and Blanche (Vanderlip) Shelley, '10, McPherson, went on a trip to the West coast this summer. Mr. Shelley wrote, "We visited W. T. McCall, '08, and found that he has a new address, 128 S. Fifty-Seventh avenue, Highland Park, Los Angeles. Mrs. Virginia (Troutman) Wilhite, '07, lives at 1316 Tenth street, San Diego, Calif.

"We also enjoyed fine visits with A. D. Holloway, '07, E. G. Schafer, '07, R. W. Hull, '08, R. C. Thompson, '08, and G. E. Thompson, '11, besides several other old friends. Mr. Hull has 17 acres of oranges and about 200 sheep, and although preparing to exhibit some of the latter at the Pomona fair, he took time to escort my wife and myself through the plant where Sunkist oranges are packed at nearby Orange, Calif. We have not heard the outcome of the judging this year, but in the past Mr. Hull has made good wins on his sheep and we trust his success was repeated this season."

C. L. Shaw, E. E. '11, and Alice (True) Shaw, H. E. '12, visited the Alumni association office in September. They were here from Holtville, Calif., where they own a hardware store, to attend the funeral of a brother of Mrs. Shaw's.

Ruth (Graybill) Young, H. E. '13, and her husband, Owen O. Young have three children—Mary Louise, 23, David, 21, and Jeane, 19. They live at 621 S. Grant street, Pocatello, Idaho.

Celia (Johnson) Dalrymple, H. E. '17, lives at 404 N. Jefferson street, New Ulm, Minn.

Lenore M. Edgerton, H. E. '19, teaches home economics at Whittier and Marlborough schools in Kansas City, Mo. Her address is 525 E. Armour street.

Chester E. Graves, Ag. '21, M. S. '28, and Anita (Kazmaier) Graves, f. s., live at 612 Lindsey road, Wilmington, Del. Mr. Graves, formerly extension plant pathologist at Kansas State College, is now pathologist in the Grasselli Chemical department, E. I. du Pont de Nemours company, Inc.

Irene (Hays) Williams, G. S. '22, is in Asansol, Bengal, India, where her husband is director of the Ushagram Educational colony. They wrote recently to inquire about sending their son, Gerald, to Kansas State College early in 1943.

Frank H. Shirck, Ag. '23, M. S. '25, is assistant entomologist with the United States Department of Agriculture. He and Mildred (Emrick)

Shirck, '24, live at 1205 Heyburn avenue, East, Twin Falls, Idaho.

Helen M. (Van Gilder) Kasper, I. J. '24, sent in a change of address to 2204 Fortieth place, N. W., in Washington, D. C. Her husband is Dr. Charles Kasper, a graduate of the University of Indiana.

H. Vaughan White, f. s. '25, is superintendent of construction on hydro-electric power plant, building roads and clearing jungle in Liberia, West Africa. His address is c/o Firestone Plantations company, Monrovia, Liberia, West Africa.

Mabel R. Smith, H. E. '26, went to her new position as home demonstration agent in Pontiac, Mich., in September. She has been assistant state 4-H club leader with the extension service of Kansas State College. Her address is Box 173, Federal building, Pontiac.

Earl F. Graves, D. V. M. '27, Ag. '22, is territorial veterinarian with the University Experimental farm, Matanuska, Alaska. Doctor Graves has given the Department of Anatomy in the Division of Veterinary Medicine a valued collection of osteological specimens consisting of the skulls of an Alaskan wolf, an American eagle—shot by Doctor Graves—and a monkey.

Lester A. Kirkendall, G. S. '28, is head of the Division of Educational Guidance, University of Oklahoma, Norman, Okla. He moved there from Teacher's College of Connecticut, New Britain, Conn., where he was an instructor in education.

Maj. Ralph W. Mohri, D. V. M. '29, and Beryl (Johnson) Mohri, H. E. '29, moved this summer to 1014 Bertrand, Manhattan. Major Mohri is division veterinarian in the Second Cavalry division at Ft. Riley. He was formerly on duty in the Panama Canal department. The Mohris' children are Barbara S., Emily K., and William F.

G. Lee Farnsworth, I. Chem. '30, is chief chemist with the Idaho Refining company, Pocatello, Idaho. He is in charge of blending in the plant and sale of road oil. He and Blanche (Graves) Farnsworth live at 555 S. Sixth street, Pocatello.

Richard K. Stahl, Com. '31, is merchandiser for Montgomery Ward and company. His address is Route 1, Lees Summit, Mo.

Albert A. Pease, Ag. '32, has moved to Girard, where he is the new county club agent. He had been county club agent in Mounds, Ill., only a short time before receiving this position.

Dr. George B. Telford, Com. '33, M. S. '34, writes "I have been appointed to the teaching staff of Northern Montana college. My mail will reach me in care of the college, Havre, Mont."

Wayne W. Jacobs, Ag. '34, is employed in dairy manufacturing at Los Angeles, Calif. He and Nora (Roberts) Jacobs live at 465 S. Betty, Los Angeles.

Warren F. Keller, M. Ind. '35, is research miller in the Department of Milling Industry at Kansas State College. He came here from a position as assistant superintendent, George Urban Milling company, Buffalo, N. Y. He and Mary Elizabeth (Fleenor) Keller, f. s. '34, have two children. They live at 309 N. Sixteenth, Manhattan.

William A. Nixon, G. S. '37, is statistical clerk in Washington, D. C. He and his wife, Eunice (Schweiter) Nixon, Wichita U. '36, live at 330 Sixteenth street, N. E., Washington, D. C.

Eleanor Stahlman, H. E. '38, is home demonstration agent at Tuscaloosa, Mo.

Addie Maurine Grizzell, H. E. '39, is chief dietitian at the Norton infirmary, Louisville, Ky.

Dr. Theodore M. Beard, D. V. M. '40, is manager of the Milwaukee branch of the Norden laboratories. He is in the Fifty-Fourth Coast Artillery Bozman. They live at 1521 W. Kilbourn avenue, Milwaukee.

Daniel W. Wagoner, E. E. '41, is working for General Electric company, and may be addressed at Apt. 17, 152 W. Ninth, Erie, Pa. J. Eugene Nease, E. E. '41, also is working for General Electric. His address is 840 Rankine avenue, Lawrence Park, Erie, Pa.

Pvt. George A. Berlin, Wakefield, f. s. '42, formerly stationed at Ft. Leavenworth, Kan., has been assigned to the Field Artillery Replacement center, Ft. Sill, Okla.

LOOKING AROUND KENNEY L. FORD

Don't Sell College Short

"Never, never, sell Kansas State short!" should be the lesson we learn again after the glorious victory over Nebraska last Saturday.

The following telegram states the feeling of thousands of alumni who did not come back for Homecoming: "Glory be—and to think I listened to Army game Saturday."—Almon A. Gist, '91, Chanute.

Alumni Luncheon

A small crowd of alumni attended the Homecoming luncheon at the cafeteria Saturday noon. Hal Luhnow, '17, was in charge of the luncheon.

The following guests attended: Gov. Payne Ratner and Mrs. Ratner, Topeka; Wes Roberts, secretary to the governor and Mrs. Roberts, Topeka; Pres. and Mrs. F. D. Farrell, Manhattan; W. T. Markham and Mrs. Markham, Topeka; Dean E. L. Holton and Mrs. Holton, Manhattan; Mr. and Mrs. A. H. Pfeiffer, Hiawatha; and Dr. R. K. Nabours, Manhattan.

Homecoming Registration

Returning alumni included in their Homecoming activities a visit to the College Alumni association office where each registered his name and address and received a badge which he wore in order to help other alumni "spot" him. Those who registered were:

1883—J. T. Willard, Manhattan.
1895—R. J. Barnett, Manhattan.
1900—Katherine (Paddock) Hess, Manhattan.

1902—Mame (Alexander) Boyd, Phillipsburg; L. A. Fitz, Wilmette, Ill.; Grover Poole and Mrs. Poole, f. s., Manhattan.

1903—F. W. Boyd, f. s., Phillipsburg.

1905—Edith (Davis) Aicher, Hays; J. C. Cunningham, Ames, Iowa.

1906—A. D. Stoddard, Duncan, Okla.

1907—C. F. Blake, f. s., Glasco.

1909—L. G. Haynes, Los Angeles, Calif.

1910—L. C. Aicher, Hays.

1912—Jane (Wilson) Barnes, Manhattan.

1913—W. E. Grimes, Manhattan.

1914—Lola (Stoddard) Beatty, Salina; Roy E. Gwin, Leoti; A. P. Davidson, Manhattan.

1915—Charles W. Shaver and Mrs. Shaver, f. s., Salina.

1917—William F. Pickett, Manhattan; H. W. Luhnow, Kansas City, Mo.; Stella M. Harriss, Manhattan.

1920—Earle W. Frost, Kansas City, Mo.; H. S. Wise, Wichita.

1922—A. D. Weber, Manhattan.

1923—W. S. Magill, Fanwood, N. J.; Lois (Edmundson) Wise, Wichita, Wis.

1924—Kenney L. Ford and Mrs. Ford, f. s., Manhattan.

1926—J. W. Ballard and Paul G. Martin, Topeka.

1928—Carrie E. Davis, Garnett; Mary Fletcher, Manhattan.

1929—Christine Wiggins, Manhattan.

1931—C. Wilbur Naylor, Hiawatha.

1932—W. L. Jones and Leone (Pacey) Jones, Leavenworth.

1935—Herman W. Zabel, Vera M. Ellithorpe, Manhattan.

1937—Rev. Louis F. Meek, Sharpsburg, Iowa; Leslie (Fitz) Lovering, Chicago, Ill.; Don C. Gillmore, Colby.

1938—Frances M. Heaton, Wakefield; Russell H. Gripp, Jefferson Barracks, Mo.

1940—F. G. Gillett, Charleston, W. Va.; Mary Dean Brainard, Athol; Anelda Runnels, Wichita; Wallace A. Swanson, Ft. Sam Houston, Texas; Martha Brill, Manhattan.

1941—Merrill G. Abrahams, Wayne; Mary Marvel Kantz, Anthony; C. Wilson Blackburn, Bartlesville, Okla.; Roberta (Vawter) Meek, Sharpsburg, Iowa; Jim Booth, Beloit; Betty Lu Titus, Augusta; Evelyn Moyer, Ellsworth; Pauline Borth, Ellsworth.

MARRIAGES

HOWARD—LARSON

Lois Elda Howard, G. S. '34, M. S. '38, writes, "I was married June 29 at my parents' home in Belfry, Mont., to Bill Larson, Forest Service employee of Winslow, Ariz., and now of Billings, Mont. This housekeeping

is certainly a more varied occupation than that of an English teacher. We are living at 715 N. Twenty-Seventh street, Billings, Mont."

SHEPARDSON—CLARK

Lorraine Shepardson, H. E. '41, and Robert H. Clark, D. V. M. '41, were married August 24. Mr. Clark has a civil service position in Moberly, Mo., where their home is at 501 S. Clark.

WILKINS—RHEA

Nancy Pat Wilkins, Music Ed. '41, was married to Manford T. Rhea August 25. Mrs. Rhea is teaching music and commerce at Noel, Mo., while Mr. Rhea is a selectee in the radio division at Ft. Sill, Okla.

BRINTON—SMITH

Eleanor Brinton, H. E. '40, and Dr. William E. Smith, D. V. M. '40, were married June 29, at DeKalb, Mo. Doctor Smith, a member of Alpha Gamma Rho fraternity, has been with the Bureau of Animal Industry at Phoenix, Ariz., for the past year, but recently he has taken a position with the California State Board of Animal Industry. They are located at El Centro. Mrs. Smith, a member of Alpha Delta Pi sorority, sent in their change of address.

HANLY—WARD

Jacqueline Hanly, H. E. '38, and Leland C. Ward, Arch. '39, were married in the First Christian church August 24. Mrs. Ward took additional training in art after graduation, at the Moore Institute of Art, Science, and Industry in Philadelphia. The past two years she has been home demonstration agent in Missouri. Mr. Ward is marketing construction engineer for the Phillips Petroleum company. Their home is at 1307 Shawnee street, Bartlesville, Okla.

DODDS—DOOLEY

The marriage of Helen G. Dodds, H. E. '41, to Donald E. Dooley, graduate of the University of Kansas in 1936, was August 29 at her home in Lawrence. Mrs. Dooley, a member of Alpha Xi Delta sorority, completed the junior college course at Stephens college, Columbia, Mo., before coming to Kansas State College. Mr. Dooley is a member of the comptroller's staff of the Wisconsin Electric company. They are now located at Apt. 112, 510 E. Kilbourn, Milwaukee, Wis.

BRADSHAW—GIBSON

The wedding ceremony of Lola Mae Bradshaw and Guy E. Gibson, Jr., C. E. '41, took place in Topeka August 24. The bride has been employed in the Division of College Extension and is a member of Beta Sigma Phi, national sorority for professional women. Mr. Gibson is employed in the water resources division of the Kansas State Board of Agriculture. He is a member of Beta Kappa social fraternity. They are at home at 207 N. Fourteenth street, Manhattan.

PEFFLY—BATES

Velva Peffly, H. E. '41, and Lt. Frank Bates, Jr., f. s. '41, were married August 22 at the First Christian church, Manhattan. They left for their home in Wilmington, N. C., where Lieutenant Bates was assigned to the Ninety-Third Coast Artillery regiment. Mrs. Bates was president of Mortar Board, senior women's honorary, and vice-president of Omicron Nu, honorary home economics sorority. She was a member of Phi Kappa Phi, honorary scholastic fraternity, and was listed in "Who's Who in American Colleges and Universities." Lieutenant Bates is a member of Sigma Tau, honorary engineering fraternity, and Pi Tau Sigma, honorary mechanical engineering fraternity, and Mortar and Ball.

DEATHS

GARNER

Dorothy (Johnson) Garner, f. s. '28, was killed in an automobile accident August 30. Her husband, Forrest Garner, G. S. '26, and their daughter were injured. The Garners live at Elmore, Minn., where Mr. Garner is a beekeeper.

ROBERTS

William (Harvey) Roberts, B. S. '99, died July 24 of apoplexy. He was secretary treasurer of the Woodson County Farm Loan association, Yates Center. He is survived by his widow, Myra (Shannon) Roberts, f. s., five sons and two daughters.

RECENT HAPPENINGS ON THE HILL

The 1941 issue of the student directory was distributed this week. Grace Christiansen, Columbus, was editor of this year's book.

The first issue of "Betty Lamp" official publication of the Division of Home Economics, was published last week. The magazine is edited by Edith Dawley, Manhattan.

The fifth Town Hall season began in Manhattan Tuesday with the lecture of William Henry Chamberlain, formerly a war correspondent in Europe. His subject was "The Development of American Painting."

Rehearsals for the 1941 Aggie Pop, the annual student talent show sponsored by the Collegiate YMCA, started this week under the direction of H. Miles Heberer, professor in the Department of Public Speaking. Four organizations and two individual acts are entered at the present time.

Some 1,400 musicians, from 35 high school bands and including the 106-piece College marching band, will appear at the annual Band Day ceremonies at the Kansas State-South Carolina football game Saturday. High spot of the proceedings will be the playing of "The Star-Spangled Banner."

MILITARY BALL WILL BE HELD ON JANUARY 10 FOR CADETS

THREE CO-EDS TO RECEIVE HONORARY RANKS

Arlin Ward, President of Officers' Club, Is Named General Chairman for Traditional Dance of R. O. T. C.

Preparations for the Military ball, the only formal dance for all College students, were started last week at a committee meeting of advanced Reserve Officers Training Corps students.

Arlin Ward, Manhattan, president of the Officers club, announced the event will be January 10. Negotiations for a band have not been completed but Ward said an outside band will be scheduled for the dance.

THREE CO-ED OFFICERS

The selection of seven Kansas State College women as candidates for honorary cadet officers to preside at the ball and the annual spring inspection is now being made by the cadet officers. From the seven candidates, whose names will be announced soon, three will be chosen by all basic R. O. T. C. students at a later date. The names of the winners will be kept secret until they are announced at the ball.

Committees and committee members for the ball are:

GAHAGEN HEADS COMMITTEE

General chairman of all committees, Arlin Ward, Manhattan; decorations, Fred Jones, Wichita; Wendell Bell, Silver Lake; paper streamers, Dale McCune, Stafford; Burt MacKirdy, Manhattan; Joe Kirkpatrick, Bogue; lights, Bruce Johnson, Liberal; Merrill Rockhold, Herington; band stand, Robert Snyder, Junction City; Nick Robson, Salina.

Advertising, Robert Gahagen, Manhattan; Milt Dean Hill, Kansas City, Mo.; Harry Bouck, Manhattan; Paul DeWeese, Cunningham; finance, Reed Sparks, Wichita; Rex Burden, Chase; Darcy Doryland, Manhattan; Robert E. Dunlap, Liberal; invitations, William Werts, Smith Center; Pierce Wheatley, Gypsum; property and equipment, Glen Thomas, Riley, Richard Powell, Kansas City, Mo.; Leland Winetroub, Leavenworth; honorary officers, Foster Burnham, St. Francis.

TWO FACULTY ADVISERS

Capt. D. C. Taylor and Capt. E. L. Andrick are faculty advisers of the Officers club and for the Military ball.

MORSE SALISBURY, '24, WILL TALK AT COMMUNITY DINNER NOVEMBER 13

Information Chief to Discuss "Agriculture and the Defense Program"

Morse Salisbury, I. J. '24, director of information for the United States Department of Agriculture, will be guest of honor and principal speaker at a community dinner November 13 at 6:30 p. m. at the Wareham hotel. The dinner will be sponsored jointly by the College chapter of Sigma Delta Chi, men's professional journalistic fraternity, and the Manhattan Co-op club.

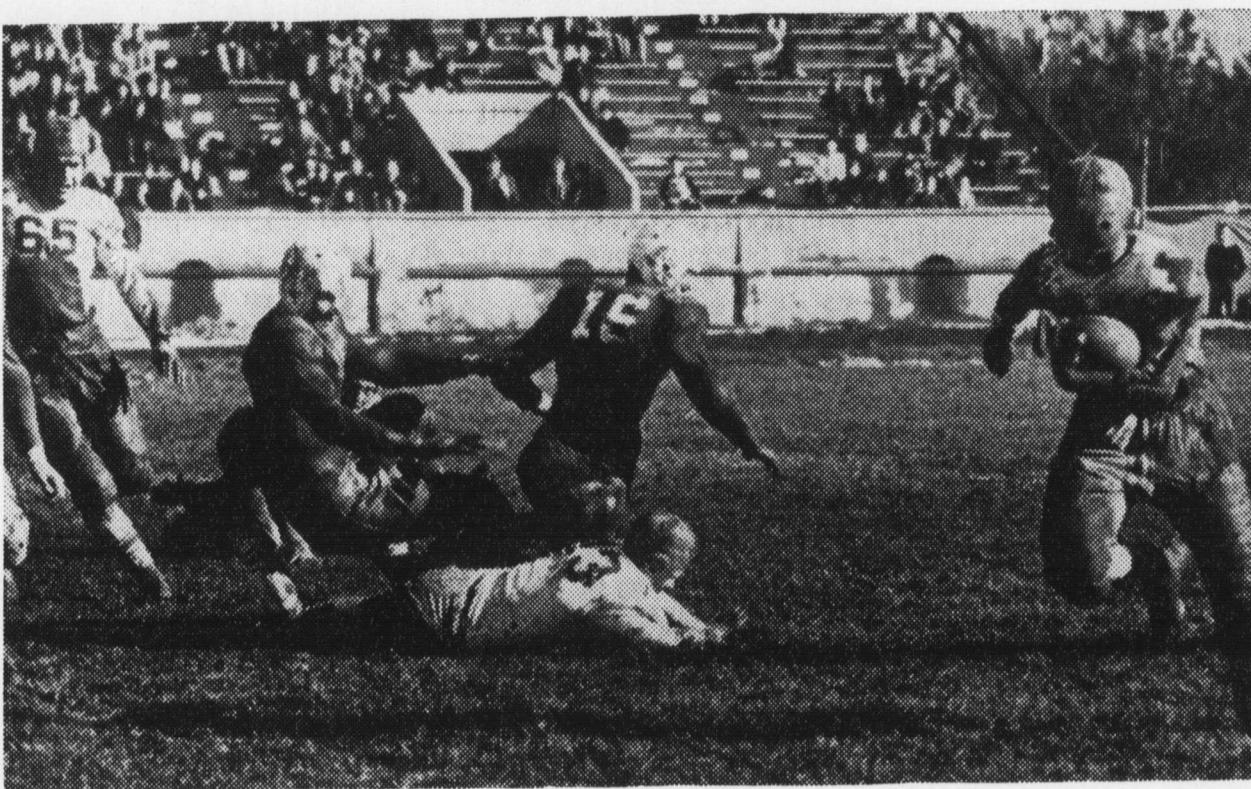
Mr. Salisbury, a former editor of the Manhattan Mercury and the Morning Chronicle, will discuss "Agriculture and the Defense Program." At 4 p. m. Thursday he will speak at a journalism lecture in Kedzie hall, discussing the information methods of the U. S. D. A.

Mr. Salisbury became U. S. D. A. information chief a little more than a year ago, after he had served as acting director of information. He succeeded another Kansas State College graduate, Milton Eisenhower, I. J. '24, in the post. Eisenhower becoming federal coordinator of land use planning.

In addition to his bachelor's degree from Kansas State College, Salisbury has a master's degree from the University of Wisconsin. He was for a time a member of the journalism faculty at the College and also served on the faculty of the University of Wisconsin, where he was director of the news bureau and instructor in journalism.

Later he was head of the U. S. D. A. radio service and subsequently became acting information chief of the U. S. D. A., one of the largest and most influential information agencies of the federal government.

Zeleznak Starts a 36 Yard Run



Mike Zeleznak, Wildcat quarterback carrying the ball, is shown as he started a 36 yard punt return which paved the way for Kansas State's second touchdown against Nebraska Saturday. Zeno Berger, end, is shown blocking out two Cornhuskers and Jim Watkins is also running interference.

HOW ALUMNI MAY HELP THE COLLEGE

(Continued from page one)
and other art objects has great value as a liberalizer. If the College had \$1,000 or \$2,000 a year to expend for works of art, a very useful collection could be built up in ten or twenty years. Much larger sums could be used effectively.

4. Improve alumni understanding of the College. The better the alumni understand the College the more helpful they can be to it. The College is never quite the same one year as it was the year before. Curriculums, courses, fees, policies, personnel and problems change frequently. Few if any alumni not on the College staff know even the names of the twenty-odd curriculums offered here and few know that instruction is offered in more than 1,000 college subjects or that, in the past ten years, the College has dropped 712 old subjects and adopted 654 new ones. Alumni groups throughout the country might improve their understanding of the College by devoting an evening or two a year to a discussion of the College catalogue and other similar material that the College will gladly provide to interested groups.

5. Encourage superior students to attend the College. The quality of student material has much to do with the future of the College. Every time an alumnus induces a superior student to enroll here he helps both the College and the student.

6. Consult members of the legislature. For its financial support and for some of its basic policies the College is dependent upon the legislature. Most Kansas legislators are friendly to the College but they are often subjected to pressures that are inimical to it. Consultation with legislators by alumni who understand the College would help to obtain the necessary financial support and to prevent the enactment of legislation that would impair the College's usefulness.

7. Serve as members of the legislature. Service in the legislature by alumni who understand the College and its importance to the state is helpful to the College and hence to the state. This fact has been demonstrated repeatedly by alumni who have served in the House or the Senate.

8. Maintain constant vigilance regarding key personnel in the management of the College. This applies particularly to the Board of Regents and the President. Alumni should insist, through orderly procedure, that vacancies on the board or in the presidency be filled by the appointment of the best personnel available. The Alumni association might well have a standing committee to maintain this vigilance or instruct its board of directors to do it.

Sometimes those who appoint key personnel are dominated by educational considerations and sometimes they are not. A bad appointment to a key position may result in serious damage to the College and so impair the value of the College's service to the public.

9. Insist on the maintenance of high standards by the College. This applies to the regular academic work and also to extra-curricular activities, such as intercollegiate athletics and intercollegiate judging contests. Too often these standards are lowered in American colleges at the insistence of alumni groups who place a higher value on large enrollments and on the winning of contests than on educational quality and effectiveness. College officers frequently need support in their efforts to maintain high standards. Again I suggest either a standing committee or instructions to the board of directors.

10. Safeguard the College's freedom to discover and disseminate truth. The College is a scientific and educational institution. As such it can function only in an atmosphere of freedom. The College and the public are indebted to the Board of Regents for what it has done during the past 16 years to protect the state schools against the pressures of special interests—political, commercial, personal. You may recall that the Board came into existence for this very purpose in 1925. These special interests never sleep. They are a constant threat to freedom of inquiry and of teaching. They are active now throughout the world. A standing committee of the Alumni association, or an appropriately instructed and effectively supported board of directors, could be of invaluable assistance in warding off this threat.

I hope that these ten suggestions will help you to understand that the Alumni association has an important mission and that its members can do much to help the College to improve its service to the public.

Ackert Visits Lincoln

Dean J. E. Ackert of the Division of Graduate Study at the College attended a meeting of the Association of American Universities in Lincoln, Neb., last week-end. The three-day program dealt with subjects of social security and higher education, adjustment of foreign students, and the role of the university in the national defense program.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Forecasting of the future is a normal, human characteristic."

Forecasting of the future is a normal, human characteristic. Forecasting is attempting to determine the most probable occurrences in the future. It is based on past experience and present conditions and is a projection of their probable consequences.

All plans for future activity or future use are forecasts. They assume that if certain things are done, there will be certain results. Such plans are based on past experience and existing knowledge and conditions.

FARRELL ASKS MORE SERVICE TO LARGER NUMBER OF YOUTHS

(Continued from page one)
ing food production during the first World War.

Dean Umberger recalled that "during the first World War increased production was encouraged by increasing the producing plant. In the present program, increases in production are to be brought about with as little increase in the production plant as possible, or in other words, through increased production per acre and per animal unit."

Through these measures, Dean Umberger explained, those who are charting agriculture's part in the national defense program hope to prevent overexpansion of the production plant and "maintain producing numbers at about the level which is justified by peace-time conditions and thus avoid dumping which must occur after demand has returned to normal and excessive numbers must be disposed of."

Pointing out that "increased production per unit will intensify the necessity for increased efficiency," the Kansas extension director discussed problems which would be introduced and solutions for those problems, all of which, he said, are "within the field of extension."

CAMPUS SEED LABORATORY PROTECTS STATE'S FARMERS

Inspection Service and Field Lots Provided under Kansas Regulations

A well equipped seed laboratory at Kansas State College tests agricultural seed for purity, weed seed content and germination.

Kansas has a state law which requires that all seed sold in the state shall be truthfully and correctly labeled. Inspection service is provided and lots of field seeds which are offered for sale are sampled and tested. An attempt is made to prevent, in so far as possible, the sale and distribution of seed of poor quality.

An additional aid in improving the quality of seed is the new federal seed law which became effective in 1940. Its object is to prevent misbranding of field seed which is shipped in interstate commerce. The law requires that the shipments be labeled so as to conform with the laws of the state into which it is shipped.

HOBBS ADAMS' WILDCATS TEAR CORNHUSKERS TO SHREDS, 12-6

THOUSANDS OF HOMECOMING FANS CHEER TEAM'S VIGOR

Michael George Zeleznak, Known as "Jug," Is Hero of Game as He Scores Two Touchdowns in Second Quarter

BY H. W. DAVIS
Head, Department of English

With Ahearn field all a-mud and amuck last Saturday afternoon the worm had no trouble at all in turning. Hobbs Adams' Wildcats tore into the bewildered Nebraska Cornhuskers and shredded them all over the puddle for a 12 to 6 upset win.

Seven thousand frenzied fans looked on with eyes, ears, and mouths agape as the Kansas Staters tore through holes while holes were holes, charged, tackled, and blocked with vim and vigor, and kicked the 1941 dope bucket around terrifically.

ZELEZNAK MAKES SCORE

Michael George Zeleznak, known to his gridiron mates as "Jug," quarterbacking in the opening play of the second quarter, took things and the pigskin in his own hands, zippered through a hole off the Nebraska right tackle, shot into the open and splashed his way 66 yards to a touchdown down without a hand laid upon him. The stand rose en masse in violent petrification. In 10 tiny seconds the complexion of everything shot from ashen gray to rose. Instead of a doleful 6 to 0 count favoring the Cornhuskers, earned by a forward-pass march in the first quarter, the score was tied and the fight was on.

Mr. Zeleznak, whom we nominated for future fame in this column two weeks ago, had only started. A few minutes later he took a Nebraska punt deep in State territory and, aided by smart blocking, negotiated a 37-yard return. Then he and Fullback Wilkins featured a sustained drive from midfield to a second touchdown, Zeleznak going over from the one-yard line on a fourth and final opportunity.

TEAM SUDDENLY ELECTRIFIED

But it wasn't all done in the backfield. Up in front the mud-plastered Wildcats were opening holes, and the non-ball-luggers were really blocking, and zipping through on defensive play to spill Messrs. Francis, Methany, Bradley, and Debus for losses. The Wildcats played like a team suddenly electrified by something or other, suddenly aroused from the long slumber that had hung a "push over" label on them.

The Nebraska play was, except for the pass-featured touchdown drive in the opening quarter, punchless. Bradley and Debus fought hard and effectively, but the other Cornhusker greats let them down. The famed Nebraska line leaked, and badly at times. Maybe they were thinking too much about Minnesota to come, and maybe they had been reading too much about the ineffectiveness of the 1941 Wildcat attack.

HOMECOMING FOR FAITHFUL

It was, of course, a great Homecoming for the faithful Kansas State alumni, and it was, in spite of mud and water, neatly played football. The freshly cleaned and dried pigskin, substituted after each play, speeded the game along and kept down fumbles and dismal punts. Take a look at these statistics if you need convincing:

	KS	NU
Total first downs	5	9
First downs from rushing	5	5
First downs from passing	0	4
Net yards rushing	217	47
Yards lost rushing	7	39
Net yards forward	0	62
Forwards attempted	1	16
Forwards completed	0	6
Intercepted passes	1	1
Yards interceptions returned	11	18
Number of punts	9	9
Average yards of punts	34.8	32.2
Number of kickoffs	2	3
Average yards from kickoffs	43	46
Total yards kicks returned	107	96
Total yards punts returned	58	85
Total yards kickoffs re-turned	49	11
Fumbles	0	3
Ball lost on fumbles	0	1
Number of penalties	5	5
Yards lost on penalties	45	35

Score by periods:

Kansas State	0	12	0	0	12
Nebraska	6	0	0	0	6

Scoring: Kansas State—Zeleznak, two touchdowns; Nebraska—Francis, one touchdown.

Play Rehearsals Start

Walter Roach, assistant professor in the Department of Public Speaking, Tuesday began tryouts for the casting of the new Manhattan Theatre production, "George and Margaret."

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, November 12, 1941

Number 9

WILLIAM VOLKER, KANSAS CITY, GIVES \$1,000 TO ALUMNI FUND

GIFT ANNOUNCED BY HAL LUHNOW, ASSOCIATION PRESIDENT

**Philanthropist Asks That Money Be
Used for Library Project; Previ-
ously He Had Given \$1,000
for Loans**

A donation by William Volker, Kansas City, Mo., philanthropist, for the library project of the newly created College Alumni fund was announced today by Hal W. Luhnow, Kansas City, president of the College Alumni association.

The donor, head of William Volker and company, manufacturers of window shades, is widely known for his gifts to educational and other institutions. He previously had donated a total of \$1,000 to Kansas State College Alumni Loan funds. Volker, who was born in Germany in 1859 and came to this country in 1871, is known for civic and industrial activities.

APPROVED BY ALUMNI

The new College Alumni fund, designed to care for certain institutional needs not covered by legislative appropriations, was approved by the Alumni association's directors and advisory council at a Homecoming meeting here October 31.

The library fund, a part of the new program, is intended to supplement state appropriations for maintenance and book purchases for the College library. The plan also opens the way for gifts for any specific purpose selected by the donor and for unrestricted donations the disposition of which would be left to the association board of directors.

FARRELL PRAISES VOLKER

In a letter to Mr. Luhnow, Pres. F. D. Farrell wrote, "In making this generous contribution Mr. Volker is setting an example which it is hoped will be extensively followed by other friends of Kansas State College."

Kenney Ford, secretary of the College Alumni association, declared that the "generous kick-off gift for the new fund is certainly heartening to all of us who are interested in a successful campaign for adequate library facilities on this campus."

DISEASE-RESISTANT SORGHUMS DISPLAY WILL BE SHOWN AT NATIONAL MEETING

Botany Department Head Preparing Exhibit for A. A. A. S. Sessions at Dallas in December

The story of disease-resistant sorghums in Kansas will be told in an exhibit prepared by Prof. L. E. Melchers, head of Department of Botany and Plant Pathology, for the American Association for the Advancement of Science meetings held at Dallas, Texas, the last week in December. The exhibit depicts the research the past 12 years on a sorghum disease known as the milo disease and how it has been brought under control.

Two Kansas Agricultural Experiment station men, Prof. L. E. Melchers and A. E. Lowe, and F. A. Wagner, formerly of the Garden City Branch Experiment station, helped provide Kansas and other states with control measures and new strains of milo for Kansas that are resistant to the disease.

Eighteen photographic enlargements with captions, Kodachrome slides which are automatically shown on a screen, and boxes of living plant material will constitute the exhibit. The pictures illustrate the steps followed in selecting resistant plants in the field and greenhouse, how these selections are further tested to eliminate accidental "escapes," segregates or varietal mixtures, and how the disease reaction and agronomic characters may be determined in the field. The use of greenhouse methods is demonstrated for testing certified seed of resistant strains of milo. Photographs illustrate how growers and county agents may have soil from questionable fields tested for the presence of disease.

COLLEGE SLEEPING SICKNESS SURVEY WILL BE CONTINUED AND EXPANDED

The first study to be made in Kansas of the relation of horse sleeping sickness to human sleeping sickness and of the two diseases to human infantile paralysis has proven sufficiently successful, after six months of work, that plans are being made for a more extensive study of the problem.

Through the survey, Kansas State College, the State Medical society and the State Board of Health, who are sponsoring the work, hope to make far-reaching progress in discovering the origins of the baffling human diseases.

Because it is almost impossible for a physician to differentiate the seven or eight or more different forms of encephalitis, or sleeping sickness, most of the work in typing and differentiation of cases submitted has to be done by the laboratory methods and animal inoculation.

Dr. Lee M. Roderick, professor and

head of the Department of Pathology at Kansas State College, Dr. M. S. Cover, instructor in the Department of Anatomy and Physiology, and Dr. James A. Wheeler, of the Axtell clinic at Newton and the child welfare committee of the State Medical society, are conducting the experiments.

Results of the experiments so far, according to Doctor Roderick, show that approximately 50 per cent of the persons who had sleeping sickness and were examined in the survey were infected with the western equine strain of virus.

Several of the different forms of sleeping sickness are derived from animals such as horses and sheep. Most of the cases of the disease in the northern states and Canada during the last year were caused, Doctor Roderick said, by the western equine virus. Various biting insects are suspected of transmitting the virus from animal to man.

KELLY WINS SLIDE CONTEST

First prize in the color slide contest for Kansas extension workers was awarded Friday to Dr. E. G. Kelly, extension entomologist, for a series of 12 pictures illustrating the life history of the chinch bug and control measures for this pest. Doctor Kelly will receive an enlarged color print of a transparency of his own choosing.

EVELYN STOCKWELL FROM HUTCHINSON IS NAMED ROYAL PURPLE BEAUTY QUEEN

Bette Jo Harris, Roberta Townley, Margaret McCutchan Are Runners- Up in Contest

Evelyn Stockwell, Hutchinson, a member of Delta Delta Delta sorority, was named Royal Purple beauty queen by Henry Busse, band leader, at the annual Royal Purple Beauty ball in Nichols Gymnasium Monday night. She is a freshman in home economics.

Second place in the contest went to Bette Jo Harris, independent from Madison, also a freshman in home economics. Roberta Townley, Abilene, Pi Beta Phi, another freshman home economics student, and Margaret McCutchan, Lost Springs, Kappa Delta, a junior in home economics, placed third and fourth respectively.

Pictures of the several contestants for the honor were sent several weeks ago to Mr. Busse, who played for the dancers. Monday evening, Mr. Busse interviewed the girls at a "social hour" at the Wareham hotel in Manhattan and made his final choice after he had seen the girls personally.

The queen and her attendants were announced during the hour broadcast of the program over radio station KSAC. The queen was presented to the radio audience by Marjorie Rogers, Manhattan, editor of the Royal Purple, the College annual. Jimmy Andrews, Manhattan, was master of ceremonies.

MINISTER FROM ANN ARBOR TO ADDRESS STUDENT FORUM

Dr. Harold P. Marley, Unitarian Pastor, Is Religious Liberal

Dr. Harold P. Marley, minister of Unitarian Church, Ann Arbor, Mich., will talk at a student forum Thursday noon and at a joint meeting of the YMCA and YWCA Thursday night in Recreation Center.

Doctor Marley, who is considered a leader in religious liberalism, will speak before Y members on "The Revolutionary Phases of Religion in the World Today." He is a contributor to Survey Graphic, South Atlantic Quarterly of Duke University and other publications.

Doctor Marley graduated from the University of Missouri and took graduate work at the Union Theological Seminary in New York. He was recently a member of a group studying social conditions in Mexico.

EVANS, CHRISTIANSEN ADDED

The names of Kendall Evans, Berkeley, Calif., and Grace Christiansen, Columbus, have been added to the list of "journalism professionals" compiled by the Department of Industrial Journalism and Printing. Evans, a senior, is assistant editor of the Kansas State Collegian, student newspaper. Miss Christiansen, a junior, is copy desk editor of the Collegian and a staff member of the Royal Purple, student yearbook.

26 STUDENTS TAKING DEFENSE WORK FOR ENGINEERING DRAWING COURSE

Seventh of Its Kind Offered on Campus, Project Will Continue 12 Weeks

Twenty-six students enrolled Monday in the seventh engineering drawing course offered at Kansas State College in cooperation with the national defense training program. Training in this course, which prepares men and women for positions in defense industries, will continue for 12 weeks.

No further registration will be allowed for the course which began Monday but another course of the same kind will begin December 8. Requirements will be the same as for the current session. These include graduation from an accredited high school with two years of training in mathematics.

Two other courses, engineering drawing and materials inspection for highways and airports, are now in session on the campus.

Radio technology, another 12-week course which will open December 1, will train men for positions for operation and maintenance of radio stations. The course is open to high school graduates who have completed two years of mathematics and one year of physics. A shortage of men capable of filling such positions has been noted and inquiries about the course have been received from several broadcasting stations, said Prof. W. W. Carlson, defense training supervisor.

FOR A BETTER LIBRARY

By F. D. FARRELL
President, Kansas State College

The recent decision of the directors of the College Alumni association to ask alumni and other friends of the College to establish a fund for the benefit of the College library should prove to be a major step for improving the quantity and the quality of the College's service to its students and to the public.

In some important respects the library is the College's intellectual center. It is the repository of the College's portion of the printed record of the history, the achievements, the dreams and the aspirations of the human race. To it comes a never-ending and ever-widening stream of students seeking light and learning. It is both a workshop and a sanctuary. Its influence on students, and through them on the life of the state and the nation, is incalculable.

Like every other department of the College, the library has been seriously underfinanced for more than a decade. Since 1931 student enrollment at the College has increased 25 per cent. In the same period state appropriations for the College's operating expenses (salaries and maintenance) have declined 14 per cent. In these circumstances, and particularly since costs began to rise a year ago, it has been impossible to provide adequate funds for the purchase of books, for periodicals and for library service.

Use of the library has increased at an even greater rate than student enrollment. Not only are there more students to serve but each student, on the average, uses more library books than in earlier years. This desirable development overtaxes the library and its staff.

The situation is not peculiar to Kansas State College. Similar conditions exist at many other educational institutions. Endowed colleges are suffering from diminished income from endowments. State-supported colleges are suffering from diminished state appropriations. Several colleges and universities, both the publicly-supported and the endowed, have turned to their alumni for aid in improving their libraries.

For at least a quarter-century, and particularly during the past decade, the financial support of the library at Kansas State College has been inadequate. More insistent demands from the public for other services, together with limited institutional financial resources, have prevented the library from keeping pace with the need for library materials and services. Kansas State College, with an annual enrollment of more than 4,000 students, expends about \$40,000 a year on its library—for staff, books, periodicals and other expenses. Swarthmore College, with 700 students, expends \$50,000 a year on its library.

Now that Kansas State has more than 15,000 graduates, the directors of the College Alumni association have decided that the alumni can and should come to the aid of the library. It is a decision that should be supported by every graduate. It is doubtful if any alumni project could excel the establishment of a library fund as an opportunity for the graduates to express their gratitude to the College for the benefits they received as students here.

If the library fund project proves as successful as the alumni student-loan fund is, the prospects for library improvement are bright indeed.

COLLEGE MUST BE KEPT FREE TO FIND, DISSEMINATE TRUTH

—FARRELL

PRESIDENT ADDRESSES FARM BU- REAU FEDERATION

**Institution's Administrator Says Any
Special Interest Group Should
Be Thwarted in Attempts
to Distort Facts**

(Text of Speech on Page Four)

Dr. F. D. Farrell, President of Kansas State College, last Wednesday called upon the Kansas Farm Bureau and similar organizations to help protect the College from any special-interest group which may seek to use the institution for purposes other than its intended function—"to discover, interpret and disseminate truth."

President Farrell spoke at the annual meeting of the Kansas Farm Bureau on the College campus, discussing particularly the "function of the College in relation to the various national agricultural programs" in an address titled, "Now That You're of Age."

CELEBRATES ANNIVERSARY

He said he felt it particularly appropriate to discuss frankly with the Farm Bureau "the facts of life" that govern the College, since the bureau federation is observing its twenty-first anniversary.

Declaring that the College must be free to ascertain and spread truth—"unpleasant as well as pleasant"—President Farrell asserted that "it is the duty of the extension service to conduct the educational work regarding these (national agricultural) programs, to explain what they are and how they operate. The alternative would be a separate, duplicating and confusing extension service maintained wholly by the federal government.

"It is not the duty of the extension service to police the programs nor to manage their financial affairs," he said. "This is the duty of the federal, state, regional and county agencies that properly have been set up for this purpose."

WARN OF A. A. A. PROVISIONS

President Farrell warned, however, that two provisions of the Agricultural Adjustment act of 1938 "may endanger the integrity, and hence the usefulness, of every land-grant college, including this one." He urged that all interested organizations do everything possible to safeguard the colleges against danger from these provisions, both of which, he said, "relate to the extension services of the land-grant colleges."

"The first provision," he said, "requires that the county agricultural agent be either the secretary or a non-voting member of the county AAA committee. Unless this requirement is handled with great care, the county agricultural agent may find himself obliged either to resign or to become in some degree a policeman, a promoter or a propagandist—or all three."

The second provision against which the President cautioned:

"In carrying out the provisions of section, the secretary (of agriculture) is authorized to utilize the agricultural extension service and other approved agencies . . ."

MUST SAFEGUARD PUBLIC

Asserting that this clause was "ambiguous," President Farrell declared that "with a Secretary of Agriculture of a kind that can easily be imagined . . . and with an indifferent or short-sighted public sentiment, it could mean the destruction of the usefulness of the extension service in every state in the union."

"In these times of intense political, economic and social antagonisms, the public must safeguard the freedom of its scientific and educational agencies against all adverse pressures if these agencies are to continue to serve the public welfare."

On Thursday, Clifford M. Townsend, director of the national Office of Agricultural Defense Relations, warned Americans that they "ain't

(Continued on last page)

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY Editor
HILLIER KREIGBAUM, JANE ROCKWELL, PAUL L.
DETTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, NOVEMBER 12, 1941

"YOU AIN'T SEEN NOTHING YET"

Clifford M. Townsend, former governor of Indiana and now director of the Office of Agricultural Defense Relations of the United States Department of Agriculture, came from Washington to address the banquet meeting Thursday night of the Kansas Extension Service and the Kansas Farm Bureau federation. Mr. Townsend, fresh from labors on the leasehold in the contemporary slang, say lend aspects of the agricultural program, summed up the current situation in the contemporary slang saying:

"You ain't seen nothing yet."

Although figures under the leasehold provisions are confidential, Mr. Townsend said that the United States has promised the British the following minimum agricultural supplies from September, 1941, through June, 1942:

1,500,000,000 pounds of pork and lard.

4,500,000,000 pounds of milk for processing into cheese, evaporated milk and dry skim milk.

500,000,000 dozen eggs.

18,000,000 pounds of poultry meat, mostly canned chicken.

1,400,000 tons of fruit, some in cans, some dried and some fresh.

2,500,000 cans of canned vegetables.

That is only the agricultural side of the picture. Here are some other figures:

2,500 rifles and sub-machine guns produced daily.

1,914 aircraft turned out during September.

4,300,000 horsepower delivered in airplane engines during September.

968 naval ships now under construction in government and private ship yards.

It is obvious that our economy can not fulfill all the mounting demands of the defense preparations and civilian needs. The government, believing that a total emergency exists, has decided that the civilians will have to do without. Therefore automobile production has been cut to 50,000 cars a week and electric refrigerator production curtailed to half its normal figure. Generally, approximately 15 per cent of the United States' production is diverted to defense goods.

Certainly this is not taking in Uncle Sam's economic belt very drastically. Britain and Canada now are using close to half of their total productive efforts for military purposes. Germany probably is equaling, if not surpassing, the straining of our leasehold allies. That ever increasing demands will be made on the civilians of this country is obvious; more and more production will be diverted to supplying soldiers and sailors.

The recently voted increases in income taxes payable in March, 1942, are already considered too low and Congressional leaders are discussing new levies. Talk of compulsory savings, modeled somewhat after the social security taxes, is going around.

Secretary of the Treasury Henry Morgenthau, Jr., suggested a six per cent maximum for corporation earnings but that proposal was withdrawn—for the present.

Already some 100 American sailors have died in the shooting phase of the Battle of the Atlantic. If Hitler's submarines continue to use their ammunition on United States

vessels, it is probable that more lives will be lost. If the shooting should ever reach the all-out stage of a declaration of war, many, many others would die in the efforts to banish Hitlerism from this earth.

Even if the United States never abandons its quasi-neutrality, the economic consequences for civilians may be strangely reminiscent of the hard times of the depression.

BOOKS

When Are Crops Hungry?

"Hunger Signs in Crops." A Symposium, 327 pages, 164 illustrations of which 79 are color plates. Judd and Detweiler Publishing company. Washington, D. C., 1941. \$2.50.

It has been known for many years that certain plants exhibit definite characteristic growth symptoms when affected by a deficiency of a certain element essential to the plant. For example, plant and soil scientists and to a lesser extent, farmers, have recognized a yellow color of the plant accompanied by a retarded growth as being a fairly reliable, though not positive, indication of nitrogen deficiency. Other deficiency symptoms have been less studied and are not so generally recognized.

"Hunger Signs in Crops" is not the work of a single author. Rather it is a compilation of sections each of which is the work of one or more authors. The preparation of the book was sponsored jointly by the American Society of Agronomy and the National Fertilizer association. These two organizations working together selected the authors of the various sections on the basis of the amount of research work done by each individual regarding the deficiency symptoms of a particular crop or group of crops. The book, therefore, represents the contributions of a number of specialists, each the best or one of the best in the particular phase of the subject on which he has written. The first chapter is general in nature, dealing with the subject "Why Plants Starve." Succeeding chapters deal with specific crops or types of crops and with the various nutritional deficiency symptoms in the following plants, arranged in order of presentation: tobacco, corn and small grains, potato, cotton, vegetable or truck-crop plants, deciduous fruits, legumes, and citrus fruits.

Accompanying the narrative in each chapter are fairly numerous plain illustrations (black and white) while at the end of the chapter are a group of photographs in color. These photographs have been well made and illustrate clearly the various deficiency symptoms.

The book is written in clear, orderly style and the terminology is so selected as to make the writing understandable by individuals not scientifically trained. It is, therefore, a valuable reference book for farmers, county agents, soil and plant scientists, vegetable and fruit growers and to all engaged in work such that interest centers in the growth of plants. The book deals with symptoms accompanying deficiencies of such elements as nitrogen, phosphorus, potassium, calcium, magnesium, manganese, iron, zinc, copper, boron and sulfur.

Considering the large number of illustrations, many of which are in color, the book sells at an exceptionally reasonable price. This was made possible by the donation of services by the authors. Altogether 14 authors contributed to its contents.

—W. H. Metzger.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

W. F. Lawry, '00, was a mechanical engineer with the Teck-Hughes Gold Mines, Ltd., at Swastika, Ontario.

Ina Cowles, '01, returned to the Division of Home Economics after a year's leave of absence during which time she obtained her master's degree from the University of Wisconsin, Madison.

Dr. Howard T. Hill of the Department of Public Speaking addressed members of the American Legion posts in Kansas City, Mo., delivering the principal address of an Armistice day program. Doctor Hill discussed "The Truce That Is a Challenge."

TWENTY YEARS AGO

Jessie B. Evans, '21, was teaching school at Laupahoehoe, Hawaii.

Sarah Hougham, '03, was head

SCIENCE TODAY

By W. W. CRAWFORD
Assistant Professor, Department of Civil Engineering

Primitive man supplied his need for water from natural springs, pools and streams. His camping grounds always were located near these sources of supply. When these proved inadequate, artificial pools, conduits and wells were constructed. Some wells, dating from prehistoric times are still in use; some of the fiercest battles in Africa in the present war were fought to gain possession of these ancient sources of water supply.

As cities developed, it was realized that their successful growth, indeed their very existence, depended primarily upon their supply of water. The ancient aqueducts, built by the Romans, not only in Italy but also in conquered countries like England, are noted examples of men's efforts to bring an abundant supply of water to the cities.

The problem of disposal of waste water also was solved to some extent by these ancient cities by the construction of drains and sewers. But these early sewers were without house connections, the gutters of the streets serving as laterals, and the wastes from homes were disposed of by throwing them from the windows, much to the peril of passers by. Conditions in which city people lived only a century ago, were terrible. Cholera epidemics then were raging in London and various countries, in which thousands of people died. Engineers of the time made thorough studies of these epidemics, and in most every case traced their origin to the use of polluted water. Efforts were made to remedy the situation by the construction of better sewers and protection of the public water mains.

These early investigators had little scientific background to guide them. Public sanitation was in its beginning. The achromatic microscope objective had but recently been perfected, and Pasteur and Lister were busy in their laboratories, proving to the world that disease was caused by specific germs and not by possession of demons or evil spirits. But it has been a hard fight for science to gain a hearing, let alone acceptance by a superstitious world of its new doctrines.

Even in what we proudly term our enlightened America, progress in sanitation has been revoltingly slow. Only in the present generation has public water supply been rendered safe, and waste removal is yet far from ideal from the standpoint of avoiding dangerous pollution and nuisance. Many of our rivers are but open sewers. This condition evidently inspired the contributor to a recent lodge magazine to pen the following parody on "The Beautiful Willamette:"

"Struggle onward, lovely river,
Bearing sewage to the sea
That defaces—Shames, disgraces
Leaves its mark and stench on thee."

The United States Public Health Service is making a laudable effort, through education of the public and necessary legislation, to clean up our principal streams and to prevent their future pollution. The most effective argument, apparently, is that pollution of a river is unhealthful for the fish. Legislation in most states has been primarily for the conservation of fish, rather than for the protection of human beings.

Chicago, for example, demonstrates how modern improvements in sanitation have reduced the death rate from typhoid and other water borne diseases. In 1893, the typhoid

librarian in the State Teachers' college, Morehead, Minn.

E. H. Smies, '13, was secretary-treasurer of the Jewell County National Farm Loan association. His home was R. F. D. 1, Courtland.

THIRTY YEARS AGO

Pres. H. J. Waters was elected president of the Kansas State Teachers' association at the annual meeting of the association in Topeka.

Miss Lillian Lowrance, '10, attended the meetings of the State Teachers' association in Topeka and visited in Manhattan. She was teaching at Independence.

FORTY YEARS AGO

Doctor Mayo was appointed secre-

tever death rate in Chicago was 170 per 100,000. The cause is easily discerned, for at that time the wastes from city sewers emptied directly into Lake Michigan, without treatment of any kind. The city water supply also was pumped from the same body of water, the only precaution being that the intakes were located about five miles out from the shore. Winds and currents often carried pollution out to these intakes.

In recent years, Chicago has spent many millions of dollars in building disposal plants. The flow in the Chicago river has been reversed and a canal constructed to connect with the Illinois river and thence to the Mississippi. The result has been the reduction of the typhoid death rate from 170 to less than 1 per 100,000.

Similar improvements have been made in other cities, with the same results, so at the present time there are more typhoid cases in the country than in the large cities.

Through research in colleges and in manufacturers' laboratories, great progress has been made in recent years, in effective methods and mechanical equipment, in both water and sewage treatment.

The process in a modern disposal plant consists first in the separation of solids from liquids. Putrescible matter in the former is stabilized by anaerobic bacterial action, while that in the latter is oxidized in filters by aerobic bacteria. In activated sludge plants, compressed air is diffused through the sludge, resulting in accelerated oxidation. The sludge from this form of stabilization makes a very good fertilizer. The operating expenses of the Milwaukee plant are practically met by marketing throughout the country of its sludge under the trade name of "Milorganite."

The by-product of separate digestion plants is gas, mostly methane, which when used in heating and in generating power saves many thousands of dollars annually in operating costs. The plant recently built in Ft. Dodge, Iowa, instead of buying power, actually sells several thousand dollars worth of electricity annually to the Iowa Power and Light Company.

Recent improvements in odor control through activated carbon filters has made it possible to locate disposal plants in public parks and even in restricted residential districts of cities without arousing any public remonstrance.

Chemists and bacteriologists are employed in laboratories connected with these plants. Samples are taken frequently and tests made for B. O. D. and bacterial content. Through these examinations and reports, the operator is enabled to control the operation of the plant for maximum efficiency.

Modern water treatment plants not only make the supply safe from disease producing bacteria but also remove the iron and a large part of the calcium and magnesium compounds which cause hardness.

Softening of the water is of great importance to industries where steam boilers are used. In laundries and in the home there is an enormous saving in the use of soap and washing compounds. Water with a hardness of 150 p. p. m. requires over a pound of soap per 100 gallons to produce a lather. A city of 40,000 may waste a ton of soap daily.

Without competent engineers, it would be impossible to enjoy the conveniences of pure soft water which is so important for our health and prosperity.

tary for Kansas of the American Veterinary Medical association.

R. W. Clothier, '97, was professor of agriculture and chemistry in the Third District State Normal School of Missouri.

President Nichols left for Washington, D. C., to attend the annual meeting of agricultural colleges and experiment stations.

FIFTY YEARS AGO

W. H. Olin, '88, was superintendent of city schools at Osborne.

H. W. Jones, '88, was employed as instructor in mathematics at the Texas Normal college at Denton.

Maud F. Sayers, '89, presented a paper on "Some Hidden Dangers in

Food," at the annual meeting of the Social Science clubs at Hutchinson.

SIXTY YEARS AGO

Professor Popenoe presented a paper on "Some Hints to Would-Be Ornithologists" at a meeting of the Scientific club.

A. N. Godfrey, '78, was unanimously renominated by the Republican party to run for reelection as county surveyor of Greenwood county.

At the regular meeting of the Alpha Beta society the debate was conducted by Messrs. Cottrell and Keyes on the affirmative; Messrs. Kern and Lund on the negative. The question was "Resolved, That the manufacture and sale of alcoholic liquors have been a detriment to our country." The judges decided in favor of the negative.

KANSAS POETRY

Robert Conover, Editor

OUR STREET

By M. M. Mickel

The village street in silence lies.
The moon gleams on the drifted snow.
So cold and still it meets my eyes—
The little homes with tree and yard—
Like pictures on a Christmas card.

One might think that this short street
Was nothing else than commonplace,
Yet here romance and love oft meet,
While hate her ugly banner flaunts
And victory of prowess vaunts.

For many years I've watched unfold
These tales of love, of hate or woe,
And found at last the meaning told:
Time cures all the ills we know
And love survives all else below.

Minnie M. (Mrs. Ben L.) Mickel is co-editor and co-publisher of the Soldier Clipper, weekly newspaper.

SUNFLOWERS

By H. W. Davis

PYROMANIA

Lately I have been most anaesthetically impressed by the number of vocalists in America who "don't want to set the wur-r-r-uld on fy-yer."

Usually the cuties barnacled to name bands, the gravel-throated, bronchial baritones who double on the bull fiddle, and the winsome threeomes who harmonize their teeth clear out of their mouths are practically dying to get something the matter with their voices that will burn up the radio circuit in a big way, set Hollywood ablaze, and ultimately light up the rhythmic universe.

But it's different now. Not one of them wants fame any more. They just want to be loved by "you," who ever you is.

No matter what time of day you fall into your comfy chair and tune in any station from ABCD to WXYZ you run a reasonable risk of hearing some shoulder-and-hip-weaving blonde moan in a guttural contralto that fame means nothing to her. If she can only be the object of your adoration, nothing else will ever matter.

Male vocalists with big-time bands have also given up their stubborn ambition to see their names in tall bright lights over all the night spots in Christendom. Every gravel in their throats vibrates to the need of "you" churning madly in their hearts.

Personally I am glad to see the simple type of love again become dominant in the western hemisphere, gently but firmly shoving into the ditch all rocketing ambitions for star-lighted romance that have cluttered the up-grade of life in America for the past decade or two. We are beginning to see that Hollywood cannot contain everybody. And radio careers cannot be accorded all who sing off-beat and off-pitch.

But love is limitless. There's a boy for every girl and a girl for every boy—or approximately that. Dame Nature provides just about a billion of each of us, and the balance is never far off.

And there's another thing. It's not hard to renounce "setting the wur-r-r-uld on fy-yer." That has been pretty well taken care of for the present by a little, beetle-browed, shadow-mustached pyromaniac in Berlin named Adolph. He has done his work thoroughly and energetically, and he has such a head start it would be folly for any novice to compete.

AMONG THE ALUMNI

Arthur F. Cranston, B. S. '90, Parsons, writes:

"When I graduated in 1890, agriculture was in the hands of Populists, farmers losing farms and agriculture looked mighty dark. I found one lone lawbook in the library in my last term of school, checked it out, and read it. The book had been left by Pres. John A. Anderson, afterwards consul with Ed Little to Egypt. It made a lawyer of me."

"I have loved my profession and travelled the road of a small town county lawyer, but sometimes I meditate and wonder if I would not have done more good to my fellowmen by sticking to agriculture and going along with classmates like Swingle of date farm fame, and Dave Fairchild, who travels the flower paths of the continents, bringing reports back to the Department of Agriculture.

"I meet the 4-H Club boys and tell them the advantages of studying agriculture at Kansas State College.

"I was first K. S. A. C. graduate from Labette county and third boy attending from the county. I was in the legislature in 1911 and with the Riley county representative pushed through a resolution for House and Senate to take a vacation and a train for viewing the College farms and buildings. We went back and gave good financial lifts for old K. S. A. C."

Alfred C. Smith, B. S. '97, and Mary (Waugh) Smith, B. S. '99, sent in the news that their address has been changed—"We bought the house next door." Their new address is 1624 S. Van Ness avenue, Los Angeles, Calif. Mr. Smith is electrical engineer with the Pacific Electric company in Los Angeles.

Thomas M. Wood, E. E. '06, teaches machine shop practice in a defense project at Mayo Vocational school, Paintsville, Ky. He teaches from 11 at night to 6 in the morning, and says he is enjoying his work very much. His wife, Grace (Enfield) Wood, '05, is dietitian at Caney Creek Junior college, Pippapass, Ky.

Paul V. Kelly, B. S. '10, is owner of the Kelly Western Seed company, seed refiners, fertilizer manufacturers and feed manufacturers. He is first vice-president of the Salt Lake City Rotary club. Mr. Kelly's home address is 1564 Yale avenue, Salt Lake City, Utah.

Eugene F. Harmison, M. E. '13, and Hazel (McGuire) Harmison, Music '29, are at 4 Walnut road, Swampscott, Mass. Mr. Harmison is superintendent of the transformer and electrode department of the West Lynn works, General Electric company, West Lynn, Mass.

Lillian C. Weeks, H. E. '14, has been laboratory and X-ray technician for Dr. L. H. Fuson, St. Joseph, Mo., for 12 years. Her positions before that were teaching home economics at Clifton and Blue Rapids, and a technician for six years at the Sister's hospital, St. Joseph.

Florence (Waynick) Van Deventer, H. E. '16, writes that her husband, Dr. R. W. Van Deventer, was called back into the army service. Their address is now Station Hospital annex, Ft. Warren, Wyo. They were formerly at Wellington.

Loyal K. Saum, Ag. '18, is regional chief of the community and cooperative services section in the farm security administration, United States Department of Agriculture. His functional title is senior cooperative specialist. He and Effie (Witham) Saum, f. s., live at 2918 N. E. Twenty-Second avenue, Portland, Ore.

Walter R. Horlacher, Ag. '20, M. S. '22, is dean of the College of Agriculture, director of the Agricultural experiment station, and director of the agricultural extension service with the University of Arkansas, Fayetteville, Ark. He and Elizabeth (Lincoln) Horlacher, University of Arkansas '22, may be addressed at 208 Ila street, Fayetteville.

George H. Bush, E. E. '22, writes: "I am doing teacher training work with the public school administrators and custodians of Indiana in the field of school administration. This work takes me to all parts of the state and gives me contacts with school superintendents, principals, custodians, teachers and township trustees on

the problems relating to school building construction, maintenance, operation and utilization. During the past 15 months I have had the opportunity to assist in a school survey of the public schools of Gary, Ind. My part of the work was to appraise the building program, the arrangement and the care of school buildings, also utilization of equipment.

"Mrs. Bush, Helen Roebel, and I have three boys, Jack, 16; Howard, 14; and George Edward, 5. They help to make life interesting and provide some sidelights of education not provided in my other work."

Their address is 457 Littleton street, West La Fayette, Ind.

Laura E. McAdams, H. E. '23, M. S. '32, recently wrote Dean Margaret Justin about her work as assistant state supervisor in home economics education for the University of Washington, Seattle, Wash. During the first few months of the school year she will be visiting vocational home economics departments in the southwest section of the state of Washington; after January 1 she will be located at the University of Washington, Seattle. She says that she is thoroughly enjoying her new work.

Ed L. Misegades, E. E. '24, 1605 Winter street, Ft. Wayne, Ind., is thinking about two years in advance nowadays. He wrote that "it won't be long now, the way the years are flying past, before our class will be thinking about our 20th Anniversary Reunion which occurs in 1944. I am hopeful that the new Student Union building will be available so that the '24's can take over at least a part of it. Perhaps we could promote a bowling tournament, since I note that bowling alleys are in the plans for the first section to be built."

Arthur E. Goodwin, I. J. '25, M. S. '37, is faculty adviser to the publication, "The Mission," Shawnee-Mission high school, Merriam, Kan. "The Mission" has been given the international honor award of the Quill and Scroll society, national honorary group for high school journalists.

Irwin I. Wright, M. E. '26, is teaching in the engineering defense training school set up last year at the College. He is with the Department of Shop Practice. The Wrights live at 611 N. Eleventh, Manhattan.

Edith Ames, H. E. '27, M. S. '39, left the U. S. Indian service early in September to teach foods and nutrition while doing some institutional foods work in the New York state agriculture and home economics school, Cobleskill, N. Y. "It is interesting and I am enjoying the East," she writes. Her address is New York State Institute of Agriculture and Home Economics, Cobleskill, N. Y.

Alma R. Cress, G. S. '28, is a nursery school teacher at the Franklin Day nursery, Philadelphia. She is in charge of the 2 to 4-year-old group. In order to cope with expansion due to the defense program, two assistants have been employed for the coming year to assist in the nursery group.

J. Roe Heller, C. E. '29, has just recently been transferred to the Memphis, Tenn., Weather Bureau office as first assistant at the city office. In addition to the routine duties of a weather bureau office of this size, his office makes river stage forecasts daily for the Mississippi in that district.

Mary Jane (Isbell) Gerken, H. E. '30, is assistant district director of the School Lunch project in Kansas City, Mo. Besides working as home economist, she is a home maker. Her husband is Robert Gerken and they live at 615 E. Armour, Apt. 2, Kansas City, Mo.

Marion F. Miller, M. E. '34, is associate engineer at Camp Walters, Texas. His address is 602 Palo Pinto, Weatherford, Texas.

Lt. Homer O. Hoch, E. E. '36, has been in the coast defense since May. He is in the Fifty-Fourth Coast Artillery, Camp Davis, N. C.

Eleanor Tibbets, G. S. '38, is employed by the International Harvester company, Salina. Her address is 516 W. Ash, Salina.

Lynus R. Morton, D. V. M. '39, is government food inspector for a C. C. camp. His address is 722 Ninth street, Bismarck, N. D.

Virginia Ray, H. E. '40, is home economist and lecturer for the Better Homemaking Institute, Chicago, Ill. She may be addressed at 160 East Ontario, Chicago, Ill.

LOOKING AROUND KENNEY L. FORD

Three Grads Win Promotions

Three Kansas State College graduates with commissions in the defense forces received promotions in the same week, recently.

The all-navy dispatch of October 27 announced the selection of Walter Albert Buck, E. E. '13, to promotion from the rank of commander to the rank of captain, Supply Corps, United States navy.

On October 29, Henry Dallas Lin Scott, E. E. '16, was promoted from the rank of lieutenant colonel to the rank of colonel, United States Marine corps.

Selection of Elliott Ranney, B. S. '16, for promotion from the rank of lieutenant commander to commander, Supply Corps, United States Naval reserve, was announced October 30.

Writes New Wildcat Song

Paul E. Pfuetze, G. S. '28, writes, "So sorry I could not be in Manhattan for Homecoming and to see the boys knock over Nebraska. What a thrill that would have been!"

"In celebration of the event, I am sending you a song I have written for Kansas State—in the hope that it may be good enough for the band to play and the students to sing. It can't be very good—of that I am certain—for I am not a musician. But in my years as cheer-leader I recall how difficult it was to find or compose new yell and songs. So I am sending this to you in hopes that you may use it. My suggestion would be that you show it to the band leader or some one over in the Music department; let them judge whether it has any merit or possibilities, and if it does, perhaps they will arrange it for band."

Hail to our Alma Mater, Kansas State! With one accord we raise our song! Loyal, thy sons shall ever strive for thee; Spreading thy fame as we march on! Whether we win or lose, our song shall be:

"Fight all the way—that's the victory!" Strong in our aim To honor thy glorious name Kansas State, all hail to thee!

Doctor Pfuetze received his magna cum laude this year at Yale university and is now at the Yale Divinity school, New Haven, Conn.

Directs Pilot Training Research

Jack W. Dunlap, Ag. '24, M. S. '26, at present is on leave of absence from the University of Rochester and is director of pilot training research for the National Research council.

From the Rochester Democrat and Chronicle: "Dunlap has been statistical consultant to the council's research committee for a year. As director, he will co-ordinate the various research studies, devise statistical controls with which to test findings; analyze results submitted by the 30 cooperating universities and recommend new areas for investigations.

"Other research under his jurisdiction will be in perfecting measurements for showing pilot's skill in handling the plane; devising rating scales for evaluating improvements by novice pilots and the skill of any given flyer as compared with another or with a group; finding methods for rating the quality and efficiency of instructors; and making measurements of physiological responses by pilots under varying flying conditions."

Since graduating from Kansas State College, he has studied at Stanford and Columbia universities, taught at the Territorial Normal school, Honolulu, the University of Hawaii, Fordham university and Columbia before going to Rochester in 1937.

Mr. Dunlap writes, "We built a new house this past year—moved in July 3—but to date I haven't been home much to enjoy it as my work keeps me traveling from one research project to another. We have one son, Jack William, who will be ready for College next fall and we expect to enter him in Kansas State at that time."

MARRIAGES

COY—MARTIN

Virginia Lee Coy, H. E. '40, and H. Eugene Martin, G. S. '40, were married August 2 and now live at 15 W. Seventh street, Apt. 1, Hutchinson.

MOSSMAN—HENDERSON

Marylee Mossman, H. E. '41, be-

came the bride of Harold V. Henderson, C. E. '40, August 31. Mr. Henderson, recently inducted into the army, is a first lieutenant in the Coast Artillery at Ft. Stevens, Ore.

VAN DIEST—BARKER

Goldie Van Diest, G. S. '37, was married to Clarence J. Barker, who has his bachelor's and master's from Emporia State Teachers college, August 9. They are living at Frankfort.

GAMBRY—FRENCH

Erma Gamby, H. E. '41, was married to George W. French, Ag. E. '40, September 2 at the Christian church, Everest. Mr. French is in the Soil Conservation service at Forrest City, Ark., where they are at home.

JACKSON—PAYTON

The marriage of Helen M. Jackson, G. S. '41, and Willis D. Payton, Chem. E. '41, took place September 2. Their home is at 2718 Linwood, Kansas City, Mo., where Mr. Payton is chemical engineer for Phillips Petroleum company.

BAYER—MILLER

Winifred Jean Bayer, H. E. '41, and Frank Miller, Jr., G. S. '41, were married September 21 in the Congregational church, Manhattan. The couple live in San Antonio. Lieutenant Miller is with the 38th Infantry at Ft. Sam Houston, Texas.

LOHMEYER—KRAMER

Helen Lohmeyer, H. E. '41, and George R. Kramer, I. Chem. '39, were married September 7 and are now in Cambridge, Mass. Mr. Kramer is enrolled in his second year at Harvard Business school. Their address is 11 Grey street, Suite 8, Cambridge, Mass.

MCKINLEY—THORNTON

Maxine McKinley, G. S. '36, and Ted Thornton, Georgia Tech. '40, were married September 13. They live at 99 Claremont avenue, New York City. Mrs. Thornton has been doing YWCA work at Ardmore, Okla., and Boston, Mass. The past year she was in New York studying at the Union Theological seminary.

DIRKS—BAIRD

Gertrude Dirks, H. E. '40, and Eugene Baird, Ag. '40, were married September 4 at Hillsboro. Mr. Baird received his master's degree at Ohio State university this year and was this fall appointed superintendent of floricultural greenhouses and horticultural grounds at Ohio State. Their address is 94 West Lane, Columbus, Ohio.

SCHREPEL—NUTTELMAN

Mildred Schrepel, f. s., and Robert Nuttelman, Ag. '38, were married September 21 in St. Johns Lutheran church, Nashville. The bride, a member of Clovia sorority, has been teaching in the Pratt and Stafford county schools. Mr. Nuttelman, a member of Theta Xi fraternity, is assistant county agent at Seneca, where the couple are living.

REITTER—ENGEELLAND

Anita Reitter of Coffeyville was married to George Engelland, I. Chem. '39, September 19 in the Christian church, Coffeyville. They live in Coffeyville where Mrs. Engelland has been employed in the offices of the National Refinery and Mr. Engelland is employed in the refinery laboratories as a testing chemist. He was a member of Delta Sigma Phi social fraternity.

EWING—SHORT

Caroline Ewing, H. E. '40, became the bride of George E. Short September 28 at the home of the bride's parents, El Dorado. The couple are at home at 730 Moro, Manhattan. Mr. Short is a junior at Kansas State College in the Division of Veterinary Medicine. Mrs. Short has been a home service director for the Oklahoma Natural Gas company, Okmulgee, since she graduated.

ENDSLEY—DOWDALL

The marriage of Opal Marion Endsley, Music '27, to Virgil M. Dowdall took place September 11 at the home of the bride's parents in Topeka. The bride was for several years a teacher in the high schools in Republic, Lovewell, Montezuma and Berryton. Recently she has produced home talent shows in the Middle West for the National Producing company, Kansas City. Their home is in Beardstown, Ill., where Mr. Dowdall is a clerk in the post office.

RECENT HAPPENINGS ON THE HILL

A number of Kansas State College professors and instructors attended various state teachers' meetings last week.

A special train Saturday will carry enthusiastic Wildcats to Lawrence to witness the annual football game between Kansas State College and the Jayhawks. The football team and the band also will be on the special train.

More than 30 art students and members of the Department of Art are making the annual home economics art trip to Kansas City Thursday and Friday. They will visit Nelson's Art gallery, the Kansas City Art institute and other points of interest.

Many Kansas State College students took the opportunity Armistice holiday Tuesday gave them to catch up on sleep, studies and recreation, but members of the Royal Purple staff spent the morning dismantling the Beauty Ball decorations in Nichols Gymnasium.

Theta Sigma Phi is sponsoring the movie, "Unholy Partners," with Edward G. Robinson and Edward Arnold. It plays at the Sosna Theatre Saturday, Sunday, Monday and Tuesday. The honorary and professional fraternity for women in journalism plans to earn money for next year's national convention.

A survey made by the Kansas State Collegian a week ago showed College students favor the change of the neutrality act so that American supply ships may be armed and sent into war zones. The survey showed 55 per cent of the students voting were in favor of revising the law, 44 per cent opposed to it and 1 per cent were undecided.

Morse Salisbury, director of information for the United States Department of Agriculture and a graduate of Kansas State College, will speak at a journalism seminar Thursday afternoon and at a dinner to be given in his honor Thursday night by Sigma Delta Chi, men's professional journalistic fraternity, and the Manhattan Co-op club. He will discuss information methods of the USDA in the afternoon and "Washington Today" in the evening.

Independent candidates running for class officers elections November 20 were chosen last week. Senior class candidates are president, Phil Myers, Formoso; vice-president, William Bell, Silver Lake; secretary, Helen Woodard, Topeka; treasurer, Marion Miller, Topeka. Junior class candidates are president, Arthur Fillmore, Augusta; vice-president, Lyle Wilkins, Delphos; secretary, Marcile Norby; treasurer, Daniel Howe, Stockdale. Sophomore candidates are president, Michael Zeleznak, Kansas City; vice-president, Chester Peters, Valley Falls; secretary, Margaret Ann Collings, Kansas City, Mo.; and treasurer, Glen Barnegrover, Kingman.

BIRTHS

Florence (Bergmann) McCoy, H. E. '38, and John W. McCoy are parents of a son, Barry Lee, born August 13. They live at Beattie, where Mr. and Mrs. McCoy own the Corner Drug store.

Announcement of their daughter born September 11 was sent by Clare (Russell) Ottawa, H. E. '28, and Albert H. Ottawa, Ag. '28, Viola, Kan. This is the fourth daughter and she has been named Leah Jean. They farm at Viola.

Henry I. Germann, G. S. '28, M. S. '40, and Juanita (Hoopes) Germann, G. S. '40, Oneida, announce twin boys born August 25. The boys have been named Malcolm and Mark. Mr. Germann is principal of the high school at Oneida.

John H. Young, C. E. '39, M. S. '40, and Eileen (McGhee) Young, f. s. '40, have a daughter, Karen Elaine, who was born September 14. They are living at 6239 Atoll street, Van Nuys, Calif. Mr. Young is engineer for Lockheed Aircraft Corp. there.

FAMILY NEEDS TO BE STUDIED AT HOME MANAGEMENT SESSIONS

MORE THAN 35 INDIVIDUALS ARE EXPECTED HERE

Meeting on Thursday Will Have "Conversation" in Lounge of Calvin Hall for Informal Talks

The needs of families, considered from various viewpoints of the home-maker, the doctor, the lawyer, the minister and the business man, will be determined at the opening session of the Kansas conference on Rethinking Home Management here Thursday, Friday and Saturday.

Representatives of these professions will present their ideas at the Thursday afternoon "conversation" in Calvin hall lounge. Dr. Ruth Lindquist, head of the Department of Household Economics, will preside.

STAFF DINNER ON THURSDAY

More than 35 leaders from Kansas and all parts of the United States will join the Department of Household Economics and related College departments in holding the conference on the part home economics should have in meeting family needs.

At the Division of Home Economics staff dinner Thursday night at Thompson hall, "Home Management Then and Now" will be discussed by Miss Josephine T. Berry of Kansas City and by Miss Edna P. Amidon, head of Home Economics Education, Federal Security agency, Washington, D. C. Miss Amidon is a former student of Miss Berry who was instrumental in obtaining Smith-Hughes legislation 25 years ago.

A. H. E. A. IS REPRESENTED

Guests at the conference will include:

Mrs. Blanche Swanson Agrell of the American Home Economics association, St. Paul; Miss Amidon; Miss Berry; Mrs. Curt Benninghoven, of the Kansas Home Economics Advisory committee, Strong City; Miss Florence Davis, Alabama Polytechnic Institute, Auburn, Ala.; Miss Margaret Goodyear, University of Illinois, Urbana, Ill.; Miss Florence Harrison and Miss Mildred Spicer, College of Agriculture, Columbia, Mo.

Miss Helen Clarke, Kansas State Teachers college, Emporia; Miss Irma H. Gross, Michigan State college, East Lansing, Mich.; Miss Edna Hill and Miss Olga Hoesly, University of Kansas, Lawrence; Miss Phyllis Honesty, Lincoln University, Jefferson City, Mo.; Miss Margaret Liston, College of Agriculture, Lincoln, Neb.; Miss Mary Meek and Miss Gladys Patton, Ft. Hays Kansas State college, Ft. Hays.

WICHITA HAS REPRESENTATIVE

Miss Mary Russell, Department of Vocational Education, Wichita; Miss Muriel Smith, College of Agriculture, Lincoln, Neb.; Miss Lucy Studley, University of Minnesota, St. Paul, Minn.; Miss G. E. Jacques Wade, Kansas State Teachers college, Pittsburgh; Miss Grace Wilkie, University of Wichita, Wichita.

Mrs. Orville Burtis, Kansas Home Economics Advisory committee, Hymer; Mrs. Roland Campbell, Kansas Home Economics Advisory committee, Muncie; Mrs. Paul Edgar, Kansas Home Economics Advisory committee, Topeka; Miss Paulene Nickell, Iowa State college, Ames, Iowa.

COLLEGE EXTENSION EXPERT WARNS ON FEEDING SORGHUMS

Dr. J. W. Lumb Says Precautions Should Be Taken Before Giving to Livestock

Precautions should be taken in feeding sorghums to livestock this fall, warns Dr. J. W. Lumb, College extension service veterinarian. Wet weather has prevented proper maturing and harvesting and considerable feed will be spoiled or partly spoiled before it can be properly ensiled or cured.

"Some sorghums have had considerable second growth develop, and some of this feed may carry a high hydracyanic acid content," predicts Doctor Lumb. "Until this feed can be dried in the bundle or in the shock or ensiled, extreme care should be exercised in feeding it to livestock, or the animals may die."

The veterinarian says that animals that have been on pasture should not be suddenly thrown on to full feeds of sorghum feeds or trouble may develop. Animals taken from pastures should be at least partially filled with hay. Green sorghums, if used, should be fed sparingly.

PRES. F. D. FARRELL'S ADDRESS TO FARM BUREAU

The following is a summary of Pres. F. D. Farrell's address of welcome to the Kansas Farm Bureau at its annual meeting on the campus, Wednesday, November 5. The President's subject was "Now That You're of Age."

By F. D. FARRELL
President, Kansas State College

It is always a pleasure to welcome the Kansas Farm Bureau to the place of its birth. This year the Bureau has reached its twenty-first birthday. It has come to what is spoken of as the age of discretion!

It was my privilege 21 years ago to attend a meeting of county farm bureau representatives over in Dickens hall, where it was decided to invite the county bureaus to federate into a Kansas Farm Bureau.

Much water has run under the bridge in these 21 years. Upheavals in weather conditions, in economic and governmental affairs, in interstate and international relations, have had difficult repercussions on agriculture and country life and on farm organizations. That your organization has survived these upheavals warrants congratulation. Many other farm organizations have sickened and died during these 21 years.

Although the College and the Kansas Farm Bureau have no statutory connection (as the College and the county farm bureaus have) nevertheless the two have always maintained close, friendly and mutually helpful informal relations.

Because of these relations, it is always appropriate to discuss with the Kansas Farm Bureau the function of the College in its relations with the public and with organizations of citizens whose interests are intimately related to the responsibilities with which the College is charged. It is always appropriate to discuss frankly with you "the facts of life" that govern the College. It is particularly appropriate, now that you're of age, to discuss this subject with you. To do this it is necessary to state what the College is and what it is not.

The College is a scientific and educational agency. Its function is to discover, interpret and disseminate truth.

This means unpleasant, as well as pleasant, truth. Any scientific and educational agency that deserves the name must be devoted wholly to truth. In no other way can it deserve or win or hold the confidence of its constituency. The College's constituency is the general public, by which and for which the institution is maintained.

The College is not a policeman, a promoter or a propagandist. Police work is extremely important but it is not a proper activity for a scientific and educational agency. In this state, fortunately for all concerned, all police and regulatory activities involving agriculture are carried on by agencies set up for that purpose at the state capital and in the counties.

Because of public confidence in the College, various special interests attempt from time to time to induce the College to promote their causes. The College cannot properly promote the cause of any special interest unless it clearly is also of general public interest. It must confine itself to the interests of the whole public, to which it belongs. For the College to promote any special interest—whether it be commercial, political, ecclesiastical or personal—would impair the institution's usefulness as a scientific and educational agency.

Sometimes there is pressure from special interests wishing to use the College as an agency of propaganda. Propaganda in the sense in which I use it here, is information (which may be true, partly true, or false) that is disseminated for the purpose of misleading the public. No institution that is devoted to the discovery and dissemination of truth will engage in propaganda. Its mission is to enlighten, not to mislead.

There are two provisions of Section 101 of Title I of the federal law known as the Agricultural Adjustment act of 1938 that may endanger the integrity, and hence the usefulness, of every land-grant college, including this one. The Kansas Farm Bureau and every other organization interested in the land-grant colleges should do everything they can to safeguard the colleges against this danger. The two provisions both relate to the extension services of the land-grant colleges.

The first provision requires that

the county agricultural agent be either the secretary or a non-voting member of the county AAA committee. Unless this requirement is handled with great care, the county agricultural agent may find himself obliged either to resign or to become in some degree a policeman, a promoter or a propagandist—or all three.

The second provision reads as follows:

In carrying out the provisions of this section, the secretary (meaning the secretary of agriculture) is authorized to utilize the agricultural extension service and other approved agencies; . . .

This is ambiguous. What it means or may be made to mean probably depends upon the character, the interests and the wisdom of whoever happens to be secretary of agriculture and upon the prevailing public sentiment toward the extension service. With a secretary of agriculture of a kind that can easily be imagined (for example one like a cabinet member who was convicted of a felony a few years ago) and with an indifferent or shortsighted public sentiment, it could mean the destruction of the usefulness of the extension service in every state in the union.

The function of the College in relation to the various national agricultural programs—as in relation to everything else—is, as I have said, to discover, interpret and disseminate truth. It is the duty of the extension service to conduct the educational work regarding these programs, to explain what they are and how they operate. The alternative would be a separate, duplicating, and confusing extension service maintained wholly by the federal government. It is not the duty of the extension service to police the programs nor to manage their financial affairs. This is the duty of the federal, state, regional and county agencies that properly have been set up for this purpose.

The first requirement for a scientific and educational agency is that it be free. Its freedom must not be impaired by alliance with any special-interest group. This College should cooperate, in the dissemination of truth, with many organizations—agricultural, commercial, industrial—but it must be free to act on its own discoveries of truth, even if its action differs from the ideas of any special-interest organization.

A striking statement on this general subject was made by President Roosevelt in a letter he wrote to Paul V. McNutt on September 2, 1941: "The genius of American democracy is expressed in the traditional independence and freedom of our State and local schools and school systems. Their freedom of action for educational purposes must be preserved. It is upon that freedom that we hopefully depend for assurance that the judgments of our people will be soundly based."

No agency can be either thoroughly scientific or thoroughly educational unless it is unbiased, unless it is free to ascertain truth and to disseminate truth, unpleasant as well as pleasant. "Know the truth and the truth shall make you free" must be the dominant motto of any truly scientific and truly educational agency.

In these times of intense political, economic and social antagonisms, the public must safeguard the free-

dom of its scientific and educational agencies against all adverse pressures if these agencies are to continue to serve the public welfare. Destruction, or even serious impairment, of this freedom is now demonstrating its evils in at least four large nations in Europe and Asia.

It is to be hoped that the Kansas Farm Bureau and other similar organizations will be vigilant in safeguarding the freedom of the land-grant colleges. In this connection, as in others, it is well to remember that "eternal vigilance is the price of liberty."

COLLEGE MUST BE KEPT FREE

TO FIND, DISSEMINATE TRUTH

(Continued from page one)
seen nothin' yet," so far as the hardships, the sweat and the hard work are concerned.

Addressing a banquet meeting of the Kansas Extension Service and the Kansas Farm Bureau federation on the campus, Mr. Townsend reviewed arms and agricultural production progress.

"So long as we are diverting only 15 to 25 per cent of our national resources to our armament program, we cannot truthfully say we are doing all we can do," he declared. "When we are putting 50 per cent of our national resources into this job, as Great Britain and Canada are, or 60 per cent, as Germany is generally believed to be doing, then we can look our fellow men in the eye and say we are doing virtually all a great nation can possibly do."

Reviewing "some bright spots and some dark spots in our defense picture," Townsend, whose task it is to shape programs and policies to supply sufficient agricultural commodities to meet the needs of the democracies aligned against Hitler, said shipments under the lease-lend act "have grown substantially in recent weeks but they are still a mere trickle compared to the flood of goods we are committed to send if the anti-axis powers are to continue to stand between us and the forces of aggression."

WILDCAT TWO-MILE TEAM WINS SECOND IN BIG SIX TRACK MEET AT COLUMBIA

Al Rues, Parker, Pace His Squad Mates to Finish Line in Sixth Position; Oklahoma Is First

The Kansas State two-mile team placed second in the Big Six conference two-mile track meet at Columbia, Mo., Saturday.

The meet was won by the University of Oklahoma.

Al Rues, Parker, who paced his teammates to the finish line, was able to gain only a sixth place, but no Kansas Stater finished lower than twelfth among the 24 contestants.

Bobby Ginn, University of Nebraska runner, turned in a repeat of his last year's conference victory but his team finished in third place.

Kansas State men who made the trip to Columbia were Rues, Don Borthwick, Beeler, Ernie Nelson, Scandia, and Cecil Siebert, Pretty Prairie.

Works in Salt Lake City

George L. McColm, Ag. '35, is area soils technician in the Salt Lake area for the soil conservation service. The McColms' address is 312 Hubbard avenue, Salt Lake City, Utah.

EVERYDAY ECONOMICS

By W. E. GRIMES

'A nation cannot improve its economic conditions merely by raising prices or advancing wages.'

General improvement in economic well-being is dependent upon an increase in the quantities of goods produced and services rendered. Merely increasing the amount of money handled by increasing prices or advancing wages will not add to the economic well-being of the people. Higher prices and higher wages are an advantage only when there are more goods and services to buy with the increased money incomes.

A nation cannot improve its economic conditions merely by raising prices or advancing wages. Real im-

provement comes by increasing the quantity and the variety of the things which the money may buy. Unemployed resources must be put to work producing things that people wish but do not have. They, in turn, exchange the things they produce for the things they wish. As a result both have more, and economic well-being is advanced.

Economic well-being is a matter of goods and services enjoyed. The money we handle is merely a means to that end.

WILDCATS CONTINUE TO WIN BEATING GAMECOCKS, 3 TO 0

EARL WILLIAMS' PLACE-KICK IS MARGIN OF VICTORY

South Carolina Twice Threatened to Score but Kansas State Line Held to Prevent First Downs

By H. W. DAVIS
Head, Department of English

In continuance of their winning ways, adopted in the upset of the Nebraska Cornhuskers a week ago, the Kansas State Wildcats defeated the highly touted South Carolina Gamecocks Saturday afternoon, 3 to 0, at Memorial stadium.

About the middle of the fourth quarter, Earl Williams, husky half-back, booted an accurate place-kick from a difficult angle on the 26-yard line, 36 yards of sharpshooting that made victory for his team. The situation had been set up by a 17-yard dash around end by Michael (Jug) Zeleznak.

GAMECOCKS THREATEN TWICE

The Gamecocks threatened in the third quarter, once from the 9-yard marker and once from the 14. But their attack bogged in each case and the strong Wildcat line enabled the Kansas Staters to take over.

The game was interesting, but short on thrills. A heavy, mucky field made things difficult for scat runners, and scat attacks pull spectators out of seats. The Wildcat line was definitely superior, as is evidenced by the minus 6 yards South Carolina gained from rushing. Time and again the Wildcat tackles and ends tore through to spill the fast backs from the sunny south before they could get going.

It also can be noted from the summary that Wildcat passers clicked on 8 out of 10 attempts. Indeed, the first seven passes all went into the "completed" column. The Kansas State running attack also functioned smoothly, featuring three or four nicely executed reverses on the slow, mucky turf. For all of this, don't forget to give credit to the line.

NEW ATTACK PATTERNS

In the Wildcat backfield, Williams, Quick, the Rokey brothers, Zeleznak, and Wilkins shone to advantage. New attack patterns arranged by Coach Hobbs Adams seemed to be getting under way and a new smoothness was definitely visible, particularly in the passes and reverses.

For the South Carolina boys Grygo, Arrowsmith, and Stasica work brilliantly backfield while Sossaman at center and Leitner at left end gave the Wildcats plenty to worry about.

This coming Saturday the re-conditioned Staters journey down the Kaw for a struggle with the Jayhawk Bird, who has plenty of blood in all 22 of his eyes.

ELEVEN FIRST DOWNS

Here are the figures on last Saturday's fray:

	KS	USC
First downs (total)	11	6
From rushing	8	2
From passing	3	2
From penalties	0	2
Net yards rushing	115	-6
Yards lost	51	85
Net yards forwards	81	40
Forwards attempted	10	11
Forwards completed	8	4
Behind the line	0	0
Intercepted by	2	1
Yds. interceptions returned	5	32
Number of punts	8	10
Returned by	4	3
Blocked by	0	0
Average yards	27.6	35.4
Number of kickoffs	2	1
Returned by	1	2
Average yards	49	49
Yards kicks returned (total)	79	54
Punts	51	16
Kick-offs	28	38
Goals	0	0
Number of fumbles	2	3
Ball lost on fumbles	1	0
Number of penalties	5	6
Yards lost on penalties	35	75
Ball lost on downs	2	1
Ball lost on penalties	0	0

Score by periods:
Kansas State 0 0 0 3-3
South Carolina 0 0 0 0-0

Scoring: Williams of Kansas State, field goal.

Chilean Journalist to Talk Here

Senor Ernesto Montenegro, distinguished author and journalist from Chile, will speak before Kansas State College students Wednesday afternoon in Recreation Center on "Ways of Creating Hemispheric Solidarity." Senor Montenegro is a "visiting Carnegie professor." Included on his lecture tour are the Universities of Colorado, Florida and Missouri. He was on the Northwestern university faculty in 1940 and was a Tallman lecturer at Bowdoin college for the spring semester in 1941.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, November 19, 1941

Number 10

CONFERENCE HEARS HOMEMAKER HAS IMPORTANT DEFENSE ROLE

MISS EDNA P. AMIDON OF OFFICE OF EDUCATION TALKS

Conference, Arranged by Dr. Ruth Lindquist, Department of Household Economics, Attracts More than 40 to Campus

Because national life can be no better than home life, the homemaker is most important in national defense, Miss Edna P. Amidon, chief of Home Economics Education, the Office of Education, Washington, D. C., told the conference on Rethinking Home Management here last weekend.

"The homemaker can help give security to her family, stabilize national life and conserve resources of the country," Miss Amidon stated. "It is up to her to care for the mental and physical health of the family and help it adjust to change without losing basic values. She must help develop each individual in her family during a time of emergency regimentation."

HOW TO MEET FAMILY PROBLEMS

The conference, arranged by Dr. Ruth Lindquist, head of the Department of Household Economics, met at the College Thursday, Friday and Saturday to determine how home management education can help men and women meet changing problems of the family. More than 40 guests, including educators in home management from Midwestern colleges and universities, attended and were entertained at the home management houses and Van Zile hall.

The group recognized a more realistic trend in meeting family needs and a widened concept of family wealth to include the human as well as material resources. It decided that home management educators in resident and extension fields must arrange for more research, must draw to a greater extent upon the resources of other fields and work in closer co-operation with one another.

Another conference for next spring is planned tentatively, with a continuing committee appointed to include Miss Amidon, Dr. Irma H. Gross, of Michigan State college, Miss Lindquist, Dr. Paulene Nickell, Iowa State college, Miss Muriel Smith, Nebraska College of Agriculture, and Miss Lucy Studley, University of Nebraska.

OPENED WITH "CONVERSATION"

To determine what needs must be met, the conference opened with a "conversation" in Calvin hall lounge Thursday afternoon with discussions from the viewpoint of the homemaker, the businessman, the minister, the architect and the army officer.

Mrs. Curt Benninghoven, of the Kansas Home Economics Advisory committee, Strong City, Mrs. F. Eugene Nelson, Mrs. Minnie Champe, Melvin Dodd, the Rev. Charles T. Brewster of the First Congregational church, H. E. Wickers, and Lt. Ernest H. Reed of Ft. Riley took part. Miss Lindquist presided.

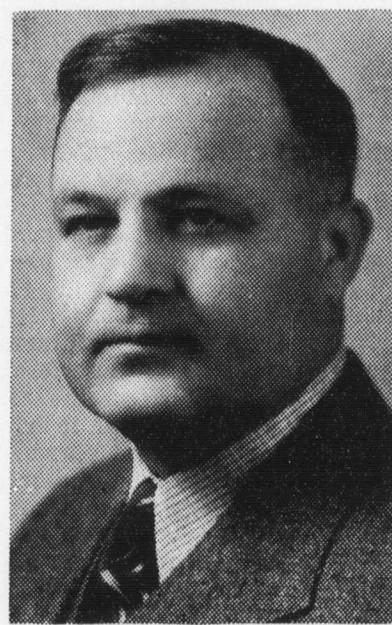
Giving the rural home pleasure in developing its own resources and stabilizing values for rural young men and women is of the utmost importance, reported Mrs. Benninghoven. The migration of rural youth to the city must be considered, she stated.

STAFF DINNER THURSDAY

The conference guests were entertained Thursday night at a Division of Home Economics staff dinner at Thompson hall. Miss Amidon, the speaker, told of "Home Economics Then and Now." She stressed the importance of the services which home economists are prepared to give in the defense program and the strategic position which those in home management hold.

Friday afternoon, the group made a special tour of Ft. Riley and of the two housing projects in Junction City. Later they were dinner guests of the students at the home management houses. A luncheon at the Gillett hotel and two sessions Saturday concluded the conference.

Dies



M. W. FURR

M. W. FURR, ENGINEERING PROFESSOR, DIES FROM HEART AILMENT AT 53

Starting Here as Instructor in 1917. He Served on Various Professional Society Committees

Funeral services for Prof. Manford W. Furr, 53, who died of a heart ailment Sunday at his home, were Tuesday morning. Professor Furr of the Department of Civil Engineering had not been well for two weeks but had been able to take care of his classes at the College the last 10 days.

The professor came to Kansas State College as an instructor in civil engineering in September, 1917. He was advanced to the rank of full professor in 1927. Professor Furr was a member of the American Society of Civil Engineers, Society for the Promotion of Engineering Education, the Kansas Engineering society, American Road Builders association, Phi Kappa Phi and Sigma Tau.

He served as president of the Kansas section of the A. S. C. E. and as chairman of several committees in the S. P. E. E.

Professor Furr received his bachelor of science degree in civil engineering in 1913 and a civil engineer degree in 1925 at Purdue university. He received a master of science degree in civil engineering at Kansas State College in 1926.

He was a specialist in highway engineering in which he did research and had years of experience in this field with the highway commissions of South Dakota and Kansas and other organizations.

Prof. R. G. Kloeffler, head of the Department of Electrical Engineering and a colleague of Professor Furr, paid him this tribute:

"Professor Furr had a host of friends and admirers among his faculty colleagues, his students, and the business men of Manhattan and the members of his church. He represented the fine type of American citizen through his loyalty to his state, to his community and all institutions with which he was associated. His unusual sense of duty and his industry set a fine example for the hundreds of students who have attended his classes."

PROF. C. M. CORRELL CHOSEN FACULTY COUNCIL CHAIRMAN

Dr. H. H. Laude Elected Vice-Chairman and Dr. Gladys Vail Secretary

Prof. C. M. Correll, of the Department of History and Government and former assistant dean of the Division of General Science, was elected chairman of the Faculty Council Tuesday afternoon.

Others officers elected include: Dr. H. H. Laude of the Department of Agronomy, vice-chairman, and Dr. Gladys Vail of the Department of Food Economics and Nutrition, secretary.

Newly elected members of the executive committee are Prof. L. M. Jorgenson of the Department of Electrical Engineering; Dr. Herman Farley of the Department of Pathology, and Prof. James W. Linn of the Division of Extension.

THREE UPPER CLASSES TO VOTE ON OFFICERS, PROFS THURSDAY

EACH GROUP WILL HAVE SEPARATE BALLOTTING BOOTH

Student May Name Two Favorite Teachers and Those Ranking in Top 35 Are to Be Photographed for Royal Purple

All students except freshmen and those in graduate study will elect class officers and vote for their favorite professors Thursday in Recreation Center.

Sophomores, juniors and seniors will have separate voting places at which two students from the respective classes will pass out ballots.

WILL VOTE FOR PROFS

Ballots on which students may vote for their two favorite professors will be handed them with the class officer ballots. Mary Morris, Chapman, who is in charge of the favorite professor election, says the top 35 professors will be given individual pictures in the underclass section of the Royal Purple, College yearbook.

All votes cast for class officers and favorite professors will be counted by the Student Council.

Candidates for the senior class are president, Norbert Raemer, Herkimer, Alpha Tau Omega, and Phil Myers, Formoso; vice president, Oscar Norby, Pratt, Farm House, and William Bell, Silver Lake; secretary, Jane Haymaker, Manhattan, Pi Beta Phi, and Helen Woodard, Topeka; treasurer, Mary Griswold, Manhattan, Chi Omega, and Marion Miller, Topeka.

SEEK JUNIOR OFFICES

Junior class candidates are president, Robert Handel, Napa, Calif., Phi Delta Theta, and Arthur Fillmore, Augusta; vice president, Jerald Porter, Dellvale, Acacia, and Lysle Wilkins, Delphos; secretary, Patricia Townley, Abilene, Pi Beta Phi, and Marcile Norby, Cullison; treasurer, Dorothy Ratliff, Manhattan, Delta Delta Delta, and Daniel Howe, Stockdale.

Sophomore class candidates are president, Donald Richards, Manhattan, Pi Kappa Alpha, and Michael Zelezak, Kansas City; vice president, Ned Rokey, Sabetha, Alpha Gamma Rho, and Chester Peters, Valley Falls; secretary, Jean Babcock, Manhattan, Delta Delta Delta, and Margaret Ann Collings, Kansas City, Mo.; treasurer, John Aiken, Moran, Farm House, and Glen Barnegrover, Kingman.

ALUMNI ASSOCIATION PRESIDENT'S MESSAGE

By HAL W. LUHNOW
President, College Alumni Association

If you failed to notice the report of Pres. F. D. Farrell's recommendations to the College Alumni association, dig up your copy of THE KANSAS INDUSTRIALIST for November 5 and read it carefully. In a day of wide-spread confusion, it does one's heart good to read the suggestions of a man whose feet are still on solid ground and who looks with tempered optimism through present difficulties to brighter days ahead, dealing with downright fundamentals, properly evaluating each need.

It is too bad more of us can't get back to Manhattan at more frequent intervals to get a fresh injection of the spirit that has always prevailed and still prevails at KANSAS STATE COLLEGE . . . where, shoving aside the froth and non-essentials, there is instilled a real desire to be useful and helpful citizens. As the years advance, we gain a deeper appreciation of what we really received during our stay at KANSAS STATE COLLEGE . . . something which we can never fully repay.

Up to the present, as alumni, we have been concerned principally in a Student Loan fund as about our only activity. President Farrell has opened our eyes to a broader responsibility of giving to KANSAS STATE COLLEGE vital and essential tools

Three Leave for Convention

Marjorie Rogers, Manhattan, Royal Purple editor; Kansas State Collegian editor Mary Margaret Arnold, also of Manhattan, and C. J. Medlin, graduate manager, left today for St. Louis, Mo., where they will attend the annual Associated Collegiate Press convention, Thursday to Saturday. Mr. Medlin will speak before a group of year book editors on "The Essentials of Magazine Make-up for College Year Books." The Associated Collegiate Press has given the Royal Purple six consecutive All-American ratings and the Collegian first class rating last year.

AMERICAN MATHEMATICAL SOCIETY WILL MEET HERE THIS WEEK-END

13 Research Papers to Be Read at Sessions; Prof. G. C. Munro of College to Talk on Equations

The 382nd meeting of the American Mathematical society will be on the College campus Friday and Saturday. This is a regional meeting including states from the Mississippi river to the Rocky mountains. It will be the first time that the society has met in Manhattan.

During the meeting, 13 research papers will be read. The papers are the result of time spent by the mathematician in research and must include entirely new material. G. C. Munro, associate professor in the Department of Mathematics, will read a paper on "System of linear differential equations with constant coefficients."

Invitational speakers will include Prof. G. B. Price of the University of Kansas who will address the assembly on linear extensions. Prof. A. A. Albert of the University of Chicago, one of the leading mathematicians in the country, will speak Saturday evening on "Some Mathematical Aspects of Cryptology."

Others who will present papers include: Prof. D. L. Holl, Iowa State college; Dr. J. W. T. Youngs, Purdue university; Dr. M. E. Shanks, University of Missouri; Prof. J. J. L. Hinrichsen, Iowa State college; Prof. R. S. Pate, University of Kansas; Prof. L. M. Blumenthal, University of Missouri; R. H. Tripp, Iowa State college; A. E. Engelbrecht, Iowa State college.

Papers to be presented by title include works of Dr. C. V. Robinson, University of Notre Dame; Dr. R. H. Bruck and Prof. T. L. Wade, University of Alabama; and Dr. Isaac Opatowski, University of Minnesota.

KANSAS MAGAZINE TO APPEAR ON DECEMBER 10 THIS YEAR

CURRENT ISSUE MARKS TENTH NUMBER SINCE REVIVAL

Well-Known Authors Will Include Carleton Beals, William Allen White, May Williams Ward and Everett Rich

Kansas life, both past and present, will be depicted in articles, fiction, poetry and art in the 1942 Kansas magazine which will be published December 10. Prof. R. I. Thackrey, head of the Department of Industrial Journalism and Printing, is editor.

This issue is the tenth consecutive number since the magazine's revival in 1933. Each year has seen a steady increase in size and circulation.

MANY WELL-KNOWN WRITERS

Well-known writers who have contributed to the 1942 Kansas magazine include Carleton Beals, author, lecturer, and traveler, who is a native Kansan; William Allen White, editor of the Emporia Gazette; C. L. Edson, Topeka; Avis Carlson, Washington, D. C., formerly of Wichita; Kenneth Davis, Manhattan; Gertrude Pearson, Lawrence, formerly of Cunningham; May Williams Ward, Wellington; Everett Rich, Emporia, author of the recent biography, "William Allen White, the Man from Emporia," and Rea Woodman, Wichita.

Contributors of non-fiction articles who are new to Kansas magazine readers will include Edith Benninghoven, Strong City; Henry Ware Allen, Wichita; Henry L. Carey, Dodge City; Margaret Craver, Wichita, and Carrie McCord Roper, Manhattan.

Fiction has been written by Ester L. Holcomb, Dodge City; Blanche M. Irving, Haviland; Irma Wassall, Wichita; Edythe Squier Draper, Oswego; and Helen McCarroll, Manhattan, formerly of Hutchinson.

KENNETH PORTER CONTRIBUTES

Poets whose verse will appear in the magazine for the first time this year are Ovie Pedigo Tanner, Mulvillen; Helen McCarroll, Manhattan; Alberta McMahon Sherwin, Kansas City, Kan.; Rosamond Burgess Munro, Manhattan, and Dorothy Boicourt, Neodesha.

Other poetry for the 1942 issue has been written by Kenneth Porter, formerly of Sterling, now a teacher at Vassar college; Marco Morrow, Topeka; Glen Baker, Detroit, Mich.; Ida Lowry Sinclair, Long Beach, Calif.; Josephine McIntire, El Dorado; Mary Anderson McMillen, Manhattan; Myra Perrings, Topeka; Ralph Donahue, Bonner Springs; Isabelle Bryans Longfellow, Wichita; Marie Bower, Ellsworth; Edna Becker, Topeka; Scott Horton, Wellington, and Mildred Ann Hobbs, Nickerston.

COVER SHOWS CRAFTSMAN

The art feature of the magazine will be a handicrafts album of photographs of Kansans at work on such crafts as wood carving, weaving, metal work, and stone work. John Helm, Jr., Manhattan, is art editor of the magazine and this year has been assisted by Margaret Craver, metal craftsman of Wichita, whose photograph will appear on the cover.

In addition to the articles, fiction, poetry, and art sections, the 1942 Kansas Magazine will have reviews of books published by Kansans in the past year and an anthology of verse published in various magazines by Kansas poets.

Seven Compete for Colonel

Seven College co-eds will be introduced to student regiments next week as the candidates for honorary cadet colonel, who will be elected by the Reserve Officers' Training Corps in December to reign at the Military Ball on January 10. Candidates are Ruth Weigand, Topeka, Pi Beta Phi; Violet Farmer, Fredonia, Delta Delta Delta; Mary Griswold, Manhattan, Chi Omega; Margaret McCutchan, Lost Springs, Kappa Delta; Mary Cawood, Wetmore, Independent Student Union; Nan Sperry, Overland Park, Chi Omega, and Betty Glidden, Osborne, Kappa Kappa Gamma.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY Editor
HILLIER KREIGHAUER, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni Association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, NOVEMBER 19, 1941

WHAT IS INFLATION?

Since the signing of the first appropriation measure of the nation's vast defense program, the fearsome cry of "Inflation" has aroused alarm as much alarm in the country as the threat of war itself. The inevitable loose talk which has accompanied this fear has done its part in making inflation a reality, and although a certain amount of so-called healthy fear based on complete information and comprehension may be desirable, the hysteria which prompts a woman to dash out and buy several dozen pairs of hose at the first hint of scarcity may be expected to aggravate the very conditions which are dreaded.

Perhaps a brief review of the causes of "spiraling prices" may serve to restrain some of the loose talk and unreasoning panic which can be so destructive.

First of all, ours still is a predominantly competitive economy—although many of our markets are characterized by controlled competition, monopolistic competition, or regulated or unregulated monopoly.

Since competition is the prevailing note, supply and demand must form the basis of our analysis of price determination. It should be remembered, however, that in the economic sense "supply" refers not to the stocks of a commodity in existence but to a schedule of the quantities which will be offered for sale at different prices; and that "demand" is a schedule of quantities of a commodity which will be purchased at different prices. With these basic principles in mind, let us recall a few of the events of the past two years and see how they rise to powerful forces which today Congress is seeking to control.

The launching of the defense program about two years ago had two major effects on our economy. The tremendous expansion of arms production and the resultant—though tardy—growth of related industries took millions off unemployment rolls and fattened the pay envelopes of millions of others. An enormously expanding consumer demand—the ability and willingness of the consumer to buy more goods at the same price or as much goods at higher prices—was the result. Had producers of consumer goods been able to expand operations—and new firms enter the affected industries—at no increase in unit costs, prices might have been boosted but little—might even have fallen. But the force which pulled the throttle also manned the brakes.

As the defense machine began to roar, greater and greater amounts of raw materials were needed to satisfy its growing appetite. Soon the armed forces themselves began making direct purchases of clothing and equipment which frequently were in competition with consumer demand. The drain on raw materials—since it precluded the manufacturer's meeting on previous price levels the increased demands—forced the producer to be satisfied with the movement of relatively smaller volume of goods at unchanged prices of a still smaller volume at higher prices. Thus rearmament worked to inflate prices through shifts in both demand and supply schedules.

For the first few months after

President Roosevelt announced the lend-lease program, the plan introduced no new features, but merely strengthened forces already at work. Then, early this spring, the administration announced that to encourage farmers to grow foods in sufficient quantity to feed the democracies the government would through purchases support prices of certain farm commodities at higher levels. Already displaying a tendency to advance—as the result of expanding demand and increasing production costs—food prices soared, and the housewife protested unavailingly.

Faced with food prices which this fall were at least 10 per cent above those of a year ago, and general living costs at least 7 per cent greater—and realizing that its own productivity had grown rapidly with the defense program, organized labor clamored for its share of the returns which it felt were being realized on defense contracts. Wage advances were granted in many cases, and the already swollen consumer demand for a shrunken supply grew still greater. Price inflation had jumped into the nation's lap and was becoming increasingly heavy to hold; credit and currency inflation threatened.

Proposals advanced for checking the trend have been many and varied; and perhaps several complementary ones will be necessary. The treasury's plan to tax away as much of the consumer's new income as possible has been recognized for years as a sound measure in a situation of this sort. The same thing may be said of restraints on credit expansion and clamps on surplus corporation incomes. Price ceilings—with or without rationing—wage ceilings and forced savings are other remedial measures under consideration.

Concerning these control measures little of a non-controversial nature may be said—and almost nothing can be done—by the average citizen. But in one way at least it is within the power of all to help: we can make our purchases reasonably and without panic, buying only those commodities which we need, limiting ourselves to those quantities for which we anticipate a need in the near future, resisting panicky suggestions to buy solely because of the fear of further inflationary developments.

Individually we can do little else to help curb prices, but this much we can do—this much we must do.

—C. M. P.

THE DISEASE OF AGING

At the one hundred second meeting of the American Chemical Society in Atlantic City, Dr. Henry S. Simms of New York City indicted aging as the greatest disease, and envisioned a day when life expectancy might be 550 years instead of the present 63.

"The death rate of humans is at a minimum at the age of 10, when only one child in 800 dies," said Dr. Simms, who added that if this rate were maintained through life, life expectancy would reach 550 years. But instead, in studies of mortality statistics and laboratory animals, he found an "underlying equation" which showed that every added year makes our probability of resistance to diseases less.

The probability of death from vascular (circulatory) diseases, for example, increases about 11 per cent a year; that from most other diseases, about 5 per cent. Combined, this means that probability of death from any disease increases about 8.1 per cent a year. Meantime, in studies made on rats, Doctor Simms found:

"For 3.6 per cent bleeding, the probability of death for a 100-day (old) rat is 0.45, while that for an 825-day rat is 0.73, or sixteen times as great."

Thus time appears to be the tyrant which hurries us to the grave. If we could stay physiologically young, we would "probably" die only by accident or unusually severe attacks of disease. Doctor Simms's great catch: we have yet to discover the medicine against the disease of aging.—From the Pathfinder.

THE MEANING OF ART

You win the meaning of a work of art by your own activity. Explicit comparison is the procedure you should follow, when the object lacks adequate meaning. Because comparison is the way in which you have always gained significance for any

SCIENCE TODAY

By J. N. WOOD
Assistant Professor, Department of
Machine Design

Photoelasticity is an optical method of two-dimensional stress analysis in structural and machine parts under given loading conditions. Analytical methods of analysis have many applications, but when parts vary from the simpler geometric shapes and load distributions, these mathematical solutions become complicated and laborious. Because of this limitation, photoelasticity, as an experimental method for determining the difference in value between the two principal stresses at a point in a part and the location of stress concentrations, is both simple and reliable.

The basic principle of photoelasticity is double refraction, which was accidentally discovered by Sir David Brewster in 1816. He noticed a piece of glass was covered with brilliantly colored bands when viewed in polarized light and under strain because of poor annealing. However, it was 40 years later before the equations, relating to the observed color and the stress producing it, were established by Maxwell, the mathematician. The complexity of these equations and the lack of a suitable model material made little practical engineering application of photoelasticity.

The basic instrument in photoelasticity is the polariscope. It consists of a light source, polarizer, two quarter-wave plates, analyzer, several lenses, and a screen. A scale model of bakelite, glass or celluloid may be used, as the stress distribution is independent of the modulus of elasticity.

The polarizer and analyzer may be two Nicol prisms whose axes are at right angles to each other. The light leaving the polarizer is plane polarized or has its vibrations in one definite plane. The axis of the analyzer, being crossed or perpendicular with the axis of the polarizer, allows no light to pass through it. Under this condition, the screen is darkened. Plane polarization is the first basic phenomenon of photoelasticity.

The lenses are used only to cause the light beam to spread or converge whenever necessary.

When the model is placed between the prisms, the field will remain darkened provided the model is unstressed. However, when the model is loaded in a manner similar to that of the actual member, the polarized light, passing through it, will cause each element to act as a temporary double refracting crystal and the incident beam will be broken up into two plane-polarized rays. The two rays, whose planes of polarization are mutually perpendicular, travel at different velocities through the model, so that one ray is retarded with respect to the other. This difference in velocities is caused by the

object, it is not an arbitrary or artificial method. If an object lacks meaning as a symbol, signal, or sign, compare it with others like it, to observe the similarities and differences.—A. Philip McMahon in "The Art of Enjoying Art."

IN OLDER DAYS
From the Files of The Industrialist

TEN YEARS AGO

Helen Deely, '26, who for two years had been working for the firm of Lord and Taylor, New York City, was promoted to the position of assistant buyer.

C. W. Howard, '22, was head of the Department of Psychology and Education at Whitman College, Walla Walla, Wash. He was superintendent of schools at Holcomb before he went to Leland Stanford University where he completed work for his master's degree.

Maurice Du Mars, Agra, president of the Kansas State College chapter of Sigma Delta Chi, men's professional journalism fraternity, went to Minneapolis, Minn., where he attended a national convention of the organization. Others from the Kansas State chapter who attended the convention were Paul Dittmore, Manhattan, and Ward Colwell, Onaga.

TWENTY YEARS AGO
Elizabeth Agnew, '00, was dean of women at Fort Hays Normal.

Charles Hestwood, '18, was assis-

Marshall county teachers at Marysville on the subject, "Reserve Forces."

A. O. Wright, '91, was teaching school near Burr Oak.

SIXTY YEARS AGO

President Fairchild gave an address at the annual meeting of the State Historical society at Lawrence.

At the meeting of the Webster society, E. H. Perry was initiated and L. W. Call was chosen to fill the office of secretary of the organization.

The latest additions to the College museum were a perfect mastodon's tooth, found near Manhattan, and a fragment of the meteorite which fell in Dickson county, Iowa, in June, 1880. The latter was presented by J. C. Fremont of Marion, Iowa.

KANSAS POETRY

Robert Conover, Editor

HALF-TONES

By Patricia Mueller

A stretch of dusty road...
A farm house, green-shuttered...
Nestling in the cool dim green of fir trees...
A little stream murmurs and sings
As it sweeps over mossy stones.
A tall tree by the roadside
Bends its head
To nest the robins that call from its branches.
A speeding car rushes by
Catches the dust and flings it
In clouds of gray across the fields
Then rushes on...the air clears...
Quietness slips back like a soft-footed cat
To bask in the sun.
Sunflowers nod in the summer breeze.
The drowsy afternoon returns to its siesta.

Mrs. Patricia Mueller, Topeka, is secretary of the Kansas Authors club.

SUNFLOWERS

By H. W. Davis

THOSE GOOD OLD DAYS

The trouble with being a well-informed American citizen these days is that you have to know so much.

If, in the ordinary times of the dear old years, you knew the undefeated football teams, the most valuable players in the National and American baseball leagues last season, the date of Thanksgiving, and the weather forecast, you were pretty well informed and your neighbors respected you.

Nowadays it is not so simple.

You are supposed to have eight well-founded opinions of the actual condition at the following war fronts: Leningrad, Moscow, the Crimea, Libya, Thailand, Manchukuo, southern Italy and the British channel.

You are supposed to be able to name on any day of the week or Sunday five strikes that were settled yesterday, 12 that are flourishing, and six that are coming up tomorrow.

You are supposed to be able to summarize yesterday's official utterances in Moscow, Vichy, Tokyo, Berlin, Rome, London, Washington, Batavia, Ankara and Cairo, and boil them down into an understandable opinion of the status of the struggle against the foes of democracy.

You are supposed to know the present state of decay of American neutrality, the identity of 12 isolationists and 14 warmongers in high places, the three best opinions by Hugh Johnson, Dorothy Thompson, Wendell Willkie and Beatrice Fairfax during the past week, and the latest pronouncement of Secretary Frank Knox on the Japanese situation.

You must be able to recite 11 reasons why England cannot establish a western front, six arguments against an open declaration of war on Germany, three alibis for Madame Perkins and one explanation of Aviator Lindbergh's rise in the field of international diplomacy.

You must be able to estimate the debt of the United States and the amount of lease-lend aid up to last Saturday night in billions of dollars.

You must be able to name a federal board to fit any possible 4-letter combination of our 26-letter alphabet.

You must be—nearly crazy. Oh, for those good old days when you only had to know how many home runs Babe Ruth smacked out Tuesday!

AMONG THE ALUMNI

Allie (Peckham) Cordry, B. S. '82, writes "I heartily enjoyed the Homecoming football game by radio Saturday, and wish more like that for our team!"

"My occupation now is housewife—have been an art teacher, newspaper employee, historian for State D. A. R. of Kansas. I am now looking forward to celebrating my 60th anniversary at Commencement next June."

"In 1940, I received certificate from American Genealogical Institute for special work in genealogical lines. I have a diploma for Red Cross work from K. U., 1919, for studies and work in sociology."

"I am sorry that out of our small class of nine, only two—Mattie (Mails) Coons and myself—can be accounted for. Five are dead but Miss Cranford and Ed Cripps are 'missing'."

Mrs. Cordry lives at 5842 Park, Kansas City, Mo.

Martha Amelia Cottrell, B. S. '94, Route 3, Manhattan, is housekeeper on the farm for her brother, E. L. Cottrell, '99.

Ray L. Graves, Ag. '12, 404 Third avenue, N. W., Mandan, N. D., is in soil conservation service work. He writes that he is district soil conservationist in charge of three work units at Mandan, N. D.

"Great country this—lots of good hunting for pheasants, grouse, partridge," he said. "Later there will be northern duck and geese, deer in season—visitors welcome!"

Orville Burtis, Ag. '16, Hymer, was in Manhattan recently. He has operated the Moffett ranch in Chase county for 13 years and is soon to move to the Chauncey Dewey ranch south of Manhattan which he has leased. He has a daughter, Cornelia, a senior in home economics at Kansas State College, and a son, Orville, Jr., who graduated last spring.

Merrill A. Durland, E. E. '18, M. S. '23, Prof. Engrg. '22, is the new president of Mu province of his fraternity, Phi Delta Theta. Mu province includes the chapters in Missouri—Washington University, St. Louis; University of Missouri, Columbia, and Westminster college, Fulton—and the chapters in Kansas, which are at the University of Kansas, Lawrence; Washburn University, Topeka, and Kansas State College, Manhattan.

The magazine of Phi Delta Theta reports some of his activities as follows:

"He is professor of machine design and is assistant dean of the Division of Engineering and Architecture at Kansas State College. He has for several years been faculty adviser for the Engineering association, Engineers' Open House, and the Kansas State Engineer magazine. He has served as national vice-chairman of the Engineering College Magazines associated."

He and Lorna (Boyce) Durland, f. s. '18, have two daughters—Mary Lee will be in kindergarten next fall, and Audrey Jean, who is enrolled in architecture at Kansas State College. She is a junior.

Maj. Ray E. Marshall, Ag. '22, is commanding the Seventy-Sixth Infantry Training battalion, Camp Roberts, Calif. He and Frances (Casto) Marshall, '22, can be reached by addressing headquarters, Seventy-Sixth Training battalion.

Margaret (Shrader) Spence, H. E. '23, is bookkeeper for the Otero County State bank, Alamogordo, N. M. She and her husband, R. T. Spence, former student of New Mexico A and M college, live at 1421 New York avenue, Alamogordo, N. M.

W. Joe Welker, Ag. E. '24, is teaching agricultural mechanics at the California Polytechnic school, San Luis Obispo, Calif. He received his master of science degree in agricultural education this summer from Montana State college, Bozeman, Mont. He and Mrs. Welker were formerly at Claresholm, Alberta, Canada, where he was owner and proprietor of a farm implement and general farm business.

Capt. Sam I. Thackrey, G. S. '25, is on the general staff, United States

Army, at Ft. Hayes, Columbus, Ohio. He may be addressed Headquarters Fifth Corps area, Ft. Hayes. He visited the Kansas State College campus and spent some time with his brother, R. I. Thackrey, head of the Department of Industrial Journalism and Printing, last summer. He was formerly Sunday editor of the Columbus, Ohio, Citizen.

Thomas A. Mitchell, G. S. '26, is in the business division of the United States Patent office, Department of Commerce, Washington, D. C. He recently changed his residence address from an apartment in Washington, D. C., to 40 Cedar lane, Sleepy Hollow, Falls Church, Va.

Roy Lee Roberts, M. E. '27, is captain of the 113th Engineers, Camp Shelby, Miss. He is regimental intelligence officer in the Thirty-Eighth division.

Carrie E. Davis, H. E. '28, M. S. '34, is home management supervisor with the Farm Security administration. She is located in Anderson county at Garnett, Kan., where her address is 136 1/2 W. Fourth. She gives her permanent address as 2 S. B street, Herington.

Florence (Sederlin) Nulty, H. E. '29, and Robert Nulty, f. s. '27, live at 776 Oakridge drive, Jackson, Mich. Mr. Nulty is sales manager for the Walker Manufacturing Company of Michigan. They have two children—Bobby, 6, and Jane, 3.

Edgar A. Templeton, Ag. '30, is salesman for Purina Mills, and is located at Dodge City. He and Edith (Watson) Templeton, f. s. '28, live at 1209 Avenue B, Dodge City.

Farrell Castellani, E. E. '31, visited the Alumni association office during October to report that he is a representative of the Hercules Powder company. Mr. Castellani and Mildred (Winter) Castellani have a son, John Farrell, who will soon be three. They live at 109 Potlitzer street, Pittsburgh.

Raymond K. Hoefener, Arch. E. '32, writes, "I am now employed by the War department as chief superintendent of construction and maintenance with the Quartermaster corps at Albrook Field, Canal Zone. This is a large air base now under development, and activity is at a rapid pace.

Panama is a very interesting country and affords one many unusual sights. The scenery is remarkable with mountains, ocean, jungle, coconut groves, and waterfalls all in the same view. A trip into the interior allows one to see the natives living in their primitive manner.

"Before transferring to Panama, I was with the United States Coast Guard as assistant construction engineer on a special national defense construction program in Chicago, Ill. Please send my mail to Box 82, Ft. Clayton, Canal Zone. THE INDUSTRIALIST is certainly welcome to keep me informed about events and news of Kansas State alumni."

Karl J. Svay, C. E. '32, is assistant engineer in the division of water resources, state board of agriculture, at Topeka. His address is 1415 Clay, Topeka, but his permanent address is Ellsworth, Kan.

Lt. Eugene A. Ward, Ag. '33, is with Nineteenth Coast Artillery, Ft. Rosecrans, Calif.

Dr. Edward Haslam, G. S. '35, nephew of Dean Margaret M. Justin, will report for duty in Boston November 24 as a junior officer in the navy medical corps. Doctor Haslam has been resident physician at the Cancer Research hospital, Westfield, Mass.

William D. Mitchell, M. E. '36, is assistant district production engineer for Gulf Oil corporation. He may be addressed Box 1667, Hobbs, N. M.

H. Henry Rothganger, Ag. E. '37, is employed by Remington Firearms plant, Lake City, Mo. He and Margaret (Stapleton) Rothganger, f. s. '37, live at 1730 Crescent, Independence, Mo.

Edna Marie Gaston, I. J. '38, is teaching at Ellsworth.

John T. McKenna, M. E. '39, is mechanical inspector on ordnance plant construction for Smith, Hinchman and Grylls, Inc., Detroit, Mich. He is located at 4030 W. Twelfth street, Des Moines, Iowa.

Farland E. Fansher, Ag. '40, is milk inspector for the State Board of Health in Topeka.

LOOKING AROUND KENNEY L. FORD

HAYS ALUMNI DINNER

L. C. Aicher, Hays, sent the list of those who attended the Kansas State Alumni dinner at Hays November 7. Many teachers who went to Hays for state teachers' meeting were at the dinner.

Those present included:

A. Lawrence Reed, '33; A. F. Swanson, '19, and Mrs. Swanson; L. J. Schmutz, '25, M. S. '37, and Mrs. Schmutz; R. U. Brooks, '32, and Tina (Bailey) Brooks, f. s.; Mildred I. Hofmann, '36; Margaret H. Haggart, '05; Leon E. Wenger, '36, and Mae (Jacobson) Wenger, f. s.; Marion W. Pearce, '33; H. B. Lamer, f. s.; Clara (Willis) Lamer, '15, and Willis Lamer, now a student; Herman Rohrs, '39, and Mrs. Rohrs; Carl Heinrich, '29, and Mrs. Heinrich; F. L. Timmons, '28, M. S. '32, and Bessie (Smith) Timmons, f. s. '30; L. C. Aicher, '10, and Edith (Davis) Aicher, '05, all of Hays.

Out-of-town guests were V. E. Fletcher, '27, Grinnell; Joe J. Hendrix, '26, Kanorado; Sam Crottinger, '14, Bison; J. Andrew Nelson, '40, Quinter; Lester Chilson, '33, Oberlin; Manford Mansfield, '40, Norcatur; Margaret Meyer, '40, Norcatur; F. A. Blauer, '29, Lebanon, and his sister, Mrs. Ruth Baxter, Stockton; J. Oscar Brown, '20, Wakeeney; Charles Mantz, '30, Downs; Chester J. Ward, '36, Kinsley; W. E. Stone, '23, M. S. '41, Bazine; Frank R. Freeman, '32, Phillipsburg; W. E. Connell, '29, and Ruby (Stover) Connell, '32, Dodge City; Theo Claassen and Ted V. Claassen, Spearville.

COMING ALUMNI MEETINGS

Kenney Ford, College Alumni association secretary, will visit several alumni units between now and Christmas. Alumni meetings will be held at most of the following places:

AMARILLO, TEXAS

Fred J. Sykes, '26, 820 Sunset, Amarillo, is in charge of the Amarillo meeting November 26.

ALBUQUERQUE, N. M.

The Albuquerque meeting will be Thursday, November 27. John L. Lantow, '17, 1303 E. Silver avenue, Albuquerque, and Wayne S. Scott, '36, Albuquerque Journal, Albuquerque, are the committee arranging for that meeting.

TUCSON, ARIZ.

R. S. Hawkins, '14, 2208 E. Third street, Tucson, has sent a report of plans for a Kansas State College alumni banquet and a short program after the Kansas State College—University of Arizona football game November 29. The program is to consist of movies of the College shown by Kenney Ford, introduction of guests, and remarks by one or two outstanding persons attending including Hobbs Adams, head football coach at Kansas State.

LOS ANGELES, CALIF.

V. E. Whan, G. S. '22, 6321 Warner drive, Los Angeles, has charge of the alumni meeting tentatively scheduled for Tuesday, December 2, at Los Angeles.

BERKELEY, CALIF.

Final arrangements for the dinner meeting to be held in Berkeley on the evening of December 5 have been made by Henry W. Schmitz, '22, 1533 Francisco street, Berkeley. The committee selected the Whitecotton hotel in Berkeley for the dinner and must know in advance of reservations for the dinner.

HOT SPRINGS, VA.

Mr. Ford will be in Hot Springs December 12-14 attending the Board of Directors meeting, American Alumni council. He is director for alumni offices.

RALEIGH, N. C.

E. H. Hostetler, '14, North Carolina State college, Raleigh, is chairman of the committee making plans for an alumni meeting December 15 at Raleigh.

ATLANTA, GA.

Plans for the meeting at Atlanta are being made by Mr. and Mrs. Fred B. Wenn, 114 Fifth street, N. W., Atlanta. The alumni meeting will be December 16.

NEW ORLEANS, LA.

Alumni near New Orleans will meet December 18. James M. McArthur, 4723 Baronne street, New Orleans, is chairman of the commit-

tee making plans for the meeting.

HOUSTON, TEXAS

V. O. Clements, '24, 2034 Norfolk, Houston, is in charge of the meeting in Houston December 19.

COLLEGE STATION, TEXAS

The meeting at College Station will be December 20. A. Doyle Reed, '38, M. S. '40, is in charge of the meeting. His address is Texas A. and M. College Station.

DALLAS, TEXAS

Letters have been sent to Texas alumni of Kansas State College announcing the meeting being planned by Charles C. McPherson, f. s. '22, 30 1/2 Highland Park Village, Dallas, for December 21. Tentative plans for this December meeting include an organization of a permanent alumni group at Dallas or Ft. Worth and nearby towns.

MARRIAGES

NORTON—ROWLEY

Fadonna Norton was married to Bruce Rowley, Ag. '40, May 11. Mr. Rowley is Haskell county agent. They live at Sublette.

MEISNER—HAYES

The marriage of Edith Meisner, H. E. '39, to Gordon Hayes took place September 21. Mr. Hayes is a farmer and their home is at Kalvesta, Kan.

LAUE—MCINTOSH

Elsie Laue, f. s., and Lieut. Vergil M. McIntosh, G. S. '38, M. S. '39, were married September 11. They live in Apartment 5-C, Crisler Manor, 2210 I street, Sacramento, Calif.

MARTIN—ROTH

Emma Lou Martin, Pittsburg Teachers' college graduate, and W. Hugh Roth, C. E. '35, were married October 26. They may be addressed at 1767 Euclid, Berkeley, Calif., where Mr. Roth is an engineer.

MCKEE—BREDAHL

Lorraine McKee, f. s., and Lt. Charles Bredahl, Ag. '37, were married September 27 at the home of the bride's parents in Fairview. Lt. Bredahl, a member of Kappa Sigma fraternity, is stationed at Ft. Snelling, Minn. They are living in St. Paul, Minn.

CRUMBAKER—MOYER

Frances Crumbaker and Wendell A. Moyer, Ag. '41, were married in the First Methodist church, October 5. They are at home at 408 S. H street, Wellington. Mrs. Moyer has been employed as clerk-stenographer in the state seed laboratory at the College the past six years. Mr. Moyer is now assistant county agent in soil conservation in Sumner county.

DICKSON—GUY

Dorothy Lou Dickson, G. S. '39, became the bride of Earl Guy in the Episcopal church of El Dorado on September 5. Since August, 1940, Mrs. Guy has been a case worker with the Butler County Department of Social Welfare. She formerly taught in the Rosalia schools and the Leonardville high school. Mr. Guy is with the Cessna airplane factory, Wichita. He and Mrs. Guy are now at home at 1414 West Central avenue, El Dorado.

ALLEY—PARK

Elaine Alley and Lt. Wilfred L. Park were married August 1 at Westminster Presbyterian church, Charleston, S. C. Mrs. Park, who attended Lamont School of Music and Denver university, is a member of Phi Gamma Nu. Lieutenant Park is a member of Phi Kappa Phi, honorary fraternity, and Scabbard and Blade, military fraternity. They are at home in Perdido Heights, Myrtle Grove, Fla., where Lieutenant Park is stationed at the United States Naval Air base, Pensacola.

PORTER—HARRIS

The marriage of Ruthie C. Porter, Com. '39, and D. Warner Harris, Com. '39, took place October 11 in the Mt. Hope First Methodist church. They are at home in Burron where Mr. Harris is engaged in the lumber and hardware business. Mrs. Harris attended Wichita university before coming to Kansas State College. She is a member of Delta Delta Delta social sorority. After teaching one year in the high school at Mahaska, she was employed in the Southwest National bank, Wichita. Mr. Harris also attended Wichita university and then Kansas State College. He is a member of Beta Theta Pi fraternity.

RECENT HAPPENINGS ON THE HILL

Chinese, South American, Persian and Oriental goods will be featured at the annual YWCA Christmas bazaar December 3. Petrena Addington, Altoona, chairman of the bazaar, says shipments of the goods have already arrived.

Both boys and girls will compete in the annual poultry judging contest Saturday. More than 100 prizes will be awarded to those placing high in the junior, senior and advanced divisions by the College Poultry Science club.

Kansas State College students are being included in the Red Cross membership drive this year. Members of the Interfraternity Council, Senior Women's Panhellenic and the Independent Student Union are canvassing their respective groups, each member of which they hope to sell a \$1 membership.

Breaking a record in milk and butterfat production is Kansas State College's two and one-half year old cow, Florrie's Myrtle. Her record as announced by the American Guernsey Cattle club is 11464.0 pounds of milk and 599.7 pounds of butterfat in class G. This exceeds the average of the Guernsey breed of the same age and class.

Vivid displays of chrysanthemums, color films and exhibits of vegetables, fruits, flowers, trees and landscaping exhibits featured the fourth annual Horticulture show last Friday through Sunday. Although attendance was cut somewhat by the Kansas State football game at Lawrence, approximately 1,500 viewed the exhibition.

Ed P. Heilpern, German refugee and former advertising expert for professional journals, will speak at a student forum Friday noon in Recreation Center on "Why I Believe Russia Will Win the War." Mr. Heilpern also will speak at the annual "Feast of All Nations" of the Cosmopolitan club Friday night when his subject will be "Europe Today and Europe Tomorrow."

The cast for the second Manhattan Theatre production, "George and Margaret," to be presented December 5 and 6 in the College Auditorium, consists of Ernestine Baker, Topeka; Robert Stafford, El Dorado; Jeanne Jaccard, Manhattan; Jack Thomas, Belleville; Phil Smith, Manhattan; Arlene Shoemaker, Kansas City, Mo.; Betty Hosmer, San Diego, Calif., and John Leach, Arkansas City.

BIRTHS

DR. A. J. ELLIOTT, YMCA LEADER, IS AFFIRMATION WEEK SPEAKER

RELIGIOUS ACTIVITIES TO START SUNDAY

Visitor Works as Secretary of Committee on Christian Evangelism Among Youth for Y

Dr. A. J. Elliott, secretary of the Committee on Christian Evangelism among Youth, is the principal speaker of the Christian Affirmation week program November 23, 24, 25.

Doctor Elliott, or "Dad" as he is known to many college students, will speak, lead discussions and conduct personal interviews during the three days he is on the College campus.

TO TALK IN EPISCOPAL CHURCH

His first appearance before College students will be in the Episcopal church Sunday afternoon at 4 o'clock when he will lead a discussion on "Our Supreme Leadership." He will speak at a mass meeting Sunday night in the College Auditorium.

Scheduled for Monday of Affirmation Week, sponsored by the College Religious federation, are personal interviews, an afternoon forum and an evening mass meeting. Doctor Elliott will speak on the "Fundamental Basis for Peace" at a College assembly Tuesday morning. His speech on "Conflicts and Loyalties" will climax the three-day program at a mass meeting in Recreation Center Tuesday night.

Student members of the program committee of Affirmation Week are Horace Traulsen, Paxton, chairman; Thornton Dewey, Pittsburgh; Leon Frey, Smith Center; Ruth Cole, Winfield; Bertil Danielson, Lindsborg, and Lorraine Sawyer, Kensington.

BETTY MCLEOD CHAIRMAN

Chairman of the hospitality committee is Betty McLeod, Manhattan. Working with her are Darcy Doryland, Manhattan; Helen Pierpoint, Benedict; Doris Chapin, Manhattan. Alma Deane Fuller, Courtland, is chairman of the publicity committee, members of which are Betty Horton, Topeka, and Wilbur Davis, Belleville. Ina Palmer, Sabetha, is chairman of the finance committee, and Arthur Worthington, Lecompton, is in charge of ushers.

PUREBRED DAIRY CATTLE BREEDERS GATHER HERE FOR TWO-DAY SCHOOL

Dairy Husbandry Head Says Modern Farmers Know More Now Than Profs of 25 Years Ago

More than 50 Kansas dairymen attended the first session Tuesday morning of the Seventh Annual Kansas Purebred Dairy Cattle Breeders school. The two-day school is being conducted by the Department of Dairy Husbandry in West Waters hall and will conclude today.

Prof. F. W. Atkeson, head of the Department of Dairy Husbandry, opened the meetings by discussing "horse-and-buggy" methods versus modern farm planning. Professor Atkeson pointed out that the most successful farmers today are better informed about farming methods than College professors 25 years ago. He emphasized the need for farmers to think ahead and adopt all good principles of farming and not decrease profit by "stumbling" on one principle.

In keynoting the theme of the school Professor Atkeson said, "If we are going to live in Kansas, we want to know how we are going to put up with the weather and soil conditions and adapt ourselves to them."

Dr. H. E. Myers of the Department of Agronomy in discussing Kansas weather conditions, pointed out that the state's rainfall varied greatly from year to year. To meet this unpredictable condition, Doctor Myers suggested the holding over of feed from year to year to meet adverse years, to summer fallow, farm on the contour and retain surface vegetation whenever possible to conserve soil moisture.

E. A. Cleavenger, extension specialist in farm crops, stated that seed bed preparation was the chief cause of failure to get fall pasture on many Kansas dairy farms. Mr. Cleavenger in suggesting cropping systems to avoid failure emphasized the need in planning crop rotations to consider the possibility of a second crop on the same land if the seeding of the first crop failed.

AIRPLANE ENGINE ARRIVES

A 35 horsepower Szekley airplane engine arrived from the Victory Aircraft school at Kansas City last week to be studied and assembled by the 10 students enrolled in advanced pilot training. Prof. B. B. Brainard and the advanced civilian pilot training students began the section of training on motors Wednesday night at the Engineering hall.

FARMERS MAKE DEFENSE CONTRIBUTION WITH THIRD RECORD PRODUCTION YEAR

SALISBURY

Head of Agriculture Information Service Given Two Talks on Visit to Manhattan

Barring bad weather upsets, farmers of the United States will make their contribution to national defense by making 1942 the third year in a row of record production, Morse Salisbury, I. J. '24, director of information for the United States Department of Agriculture, told a community dinner gathering in his honor here last Thursday night.

"What other industry can match this record?" Salisbury asked. "I think the farmers of this country deserve a hand from the rest of our citizens."

In discussing the program calling for expansion of production in certain lines while holding down production in others in which huge surpluses already exist, Mr. Salisbury said the chief handicap to expansion was failure of some producers to realize the tremendous and long-range demand which is being created under the lease-lend program and by the combination of expanded payrolls and a restricted supply of consumer goods in this country.

"One billion dollars is going to be laid out in less than 12 months, under lease-lend, for seven or eight lines of farm production, including meat, milk products, eggs, poultry meat, tomatoes, dry beans and a few of the canning vegetables and dried fruits," he said. "There are maybe five million farm families producing these items, and the lease-lend demand alone represents somewhere around \$200 per farm family producing."

The dinner for Mr. Salisbury was sponsored jointly by Sigma Delta Chi, men's journalistic fraternity, and the Manhattan Cooperative club.

Thursday afternoon the speaker, once a member of the College journalism faculty, talked to journalism students on the subject, "Vocational Opportunities in Governmental Information Work."

Saturday Mr. Salisbury addressed Kansas editors in a conference sponsored by the Department of Journalism of the University of Kansas, for editors attending the Kansas State University of Kansas football game. Stressing his position as a reporter and civil servant instead of formulator of agricultural policy, Salisbury outlined the part Kansas farmers are to be asked to play in the increase of production for the defense program, and suggested that editors could be of great service in "getting them fully acquainted with the facts about the huge new demand for some types of farm production that the national defense program here and abroad has created."

In speaking to the students in Manhattan, Mr. Salisbury described methods used by the U. S. D. A. to distribute information—through the press, publications, radio, motion pictures, and by exhibits.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Wages paid are the most important item in the costs of producing most goods."

Higher rates of pay in terms of money are an advantage as long as everyone does not share in them. If everyone gets an increase, it is probable that the prices of things purchased will advance about as much as wages are increased. Consequently, the increased rate of pay will not buy any more than could have been obtained before the general increase in money wages took place.

Wages paid are the most important item in the costs of producing most goods. Wages paid to those who work for hire constitute more than sixty per cent of all income in the United States. In addition, professional people and the owners and operators of business concerns re-

"FRESH" SEED STOCKS ARE NOT NECESSARY, REPORTS EXPERIMENT STATION AGRONOMIST

The periodical purchase of "fresh" seed stock under the supposition that seed stocks, if grown continuously on a farm, "run out," is not advisable, reports Dr. H. H. Laude, agronomist on the staff of the Kansas Agricultural Experiment station.

"Farmers frequently claim that seed stocks, if grown continuously on the same farm, will 'run out,'" Doctor Laude explained, adding that "seed stocks should improve rather than deteriorate over a period of years, assuming that the farmer started with a relatively pure variety of farm crop and the crop was not attacked by disease or contaminated with seed of another variety by mechanical mixture."

In a test to determine whether seed stocks deteriorated or improved over a period of years, Doctor Laude and A. F. Swanson of the Ft. Hays Branch Experiment station planted mixtures of equal parts of Kanred and Harvest Queen, and Kanred and Currell wheats. In the beginning of the test 10 years ago, an equal number of kernels of each of the varieties in the mixtures were used and the grain from each harvest was used to plant the test plots each succeeding year. Thus it was possible to determine whether the mixture would hold its one-to-one ratio or whether one variety would prove superior and the inferior or unadapted variety would die out. Both Harvest Queen and

SOCIAL CLUB EVENING PARTY

The College Social club, wives and women faculty members' organization, held its first evening meeting Monday night in Recreation Center.

MAJ. ROBERT EDWARD PIRLIE, F. S., DIES WHEN PLANE CRASHES IN UTAH

Squadron Commander, Born at Council Grove, Was Member of Sigma Alpha Epsilon Chapter

Maj. Robert Edward Pirtle, a student at Kansas State College in 1924-'27, was killed Monday when a two-motored bomber crashed on a mountain ridge near Park City, Utah.

Five other fliers in the ship parachuted safely to earth. Sgt. J. D. Anderson, Ogden, Utah, was listed as missing. Apparently he died in the burning plane.

The seven airmen were on their way home in a two-motored B-18 bomber from a training flight from Ft. Douglas, Utah, to Denver, Colo.

The body of Major Pirtle, who was commander of the Eighty-Eighth Reconnaissance squadron, was found two miles from the wreckage of the plane. A torn parachute was attached to his body, apparently indicating that it had ripped as he jumped from the plane and plummeted him to earth, press association dispatches said.

Major Pirtle was a member of Sigma Alpha Epsilon fraternity while enrolled at Kansas State College. He originally enrolled in the Division of Engineering and then transferred to the Division of General Science. He attended the College for three semesters and one summer session before being appointed to West Point academy.

He was born in Council Grove January 29, 1907, and was graduated from Council Grove High School in 1924.

Currell are soft winter wheats; Kanred is a hard winter wheat.

Plots of each of the two mixtures were planted at Manhattan and at Hays.

At the conclusion of the 10-year test period at the Manhattan plot, Kanred had increased its 50-50 ratio to 93-7 in the Harvest Queen mixture and 99-1 in the Currell mixture. The results were practically identical in the Hays test plot.

"The increase in Kanred in the mixture with either Harvest Queen or Currell seems to have been brought about by the capacity of Kanred to crowd out plants of the less well adapted varieties and by the greater productivity of the surviving Kanred plants," Doctor Laude said.

Farmers wishing to "purify" their crop varieties should start with either certified or registered seed stock grown preferably in their section of the state, Doctor Laude advised. "By starting with pure seed and setting aside a small piece of land for a 'seed stock' field to produce seed for succeeding crops, the variety should improve, rather than deteriorate."

Special precautions should be taken, Doctor Laude added, to see that the combine or thresher is thoroughly cleaned before threshing and the threshed seed stock should be sacked or stored apart from other seed to make sure that the stock is not mixed with other seed.

ANNUAL AGGIE POP SHOW WILL BE ON FRIDAY AND SATURDAY NIGHTS

Chi Omega, Kappa Kappa Gamma, Sigma Alpha Epsilon and Sigma Nu to Compete for Loving Cup

The Twenty-seventh Annual YWCA Aggie Pop show will see four organizations and three students presenting acts and stunts Friday and Saturday nights in the College Auditorium.

Chi Omega and Kappa Kappa Gamma sororities and Sigma Alpha Epsilon and Sigma Nu fraternities will compete for a silver loving cup. Betty Horton, Richard Checksfield, and Peter Ruckman, all of Topeka, will compete for a \$10 prize.

Theme of the Chi Omega act is based on the choral arrangement of "Night and Day." Elmeda Parsons, El Dorado, is manager of the Chi Omega skit. Kappa Kappa Gamma will present a typical evening spent in a small town park during a band concert. Manager for this act is Marjorie Benson, Sabetha.

Sigma Alpha Epsilon bases its act on Russian songs and dances. Jack Rickenbacker, Turlock, Calif., is manager of this act, set in an old Russian tavern. Sigma Nu will do a satire on radio serials. Peter Ruckman manages this act which depicts the hardships, courage and heartaches of a female mouse.

The three individual acts will see Betty Horton doing imitations of European refugees; Richard Checksfield, an act called marbles of magic; and Peter Ruckman, drawing cartoons with crayons. H. Miles Heberer, professor in the Department of Public Speaking, is director of Aggie Pop.

Two featured attractions of this year's show will be Lt. Andrew White and Scott Watson from Ft. Riley, who will sing and play between competitive acts. Lieutenant White was the former baritone soloist with Fred Waring's orchestra, and Mr. Watson was formerly a concert pianist.

Announcement of the winners of the poster contest sponsored by Aggie Pop was made by Carol Stevenson, Oberlin, student manager of the show. They were Raymond Schneider, Manhattan, first; Marjorie Jean Marshall, Manhattan, second, and June Gilman, Manhattan, third.

ECONOMISTS GO TO LAWRENCE

Three members of the staff of the College Department of Economics and Sociology participated in the Conference of Kansas Instructors in Economics and Business at the University of Kansas in Lawrence, Friday and Saturday. Dr. W. E. Grimes was on the program Friday afternoon, Dr. Harold Howe talked at the banquet Friday evening, and Prof. C. K. Ward presided at the Saturday morning session.

KANSAS JAYHAWKERS UPSET WILDCATS BY 20-16 SCORE

LAWRENCE TEAM FIRES "LAST" SHOT IN CONTEST

Ralph Miller, K. U. Quarterback, Heaves His Passes All Over Gridiron for Various Impressive First Downs

By H. W. DAVIS

Head, Department of English

Taking their cue from no less a personage than Franklin Delano Roosevelt, the Kansas Jayhawkers fired the "last" shot in an up-and-down football game at Lawrence on Saturday last and won from the bewildered Kansas Wildcats 20-16.

Ralph Miller, Jayhawker quarterback, rifled 14 of 26 bullet passes straight into the midriffs of unobstructed receivers, most of them waiting 10 yards directly across center in Wildcat territory, from whence they galloped onward for various impressive first downs. Occasionally Marksman Miller would, by way of variation and finesse, heave one to an escaped end or halfback way out on the sideline somewhere. The Wildcat interceptor service was nil, almost, and the Jayhawk Birds piled up an aerial total of 232 yards.

POWERFUL ON GROUND

On the ground, the Cat was almost as powerful as the Bird was in the air, netting 211 yards mainly by smashes through the line featuring Lyle Wilkins, fullback, and Ray Rokey, quarterback. The Kansas ends said no to most Kansas State attempts around instead of through.

Here is the fourth quarter, believe it or not.

Seven plays after starting with the ball on the K. U. 28, Jones, Wildcat fullback, crashed over from the one-foot line, making the score 13 to 7 for Kansas State. Williams' kick was blocked. On the kick-off Denzel Gibbons, K. U. halfback, ran 83 yards straight down the sideline for a touchdown. Vandever's kick was low, but bounced from a Wildcat shoulder over and between the bars. Score K. U. 14; K. S. 13.

WILLIAMS KICKS GOAL

Kansas State drove steadily from its own 20 to the Jayhawker 4. On a fourth down Williams place-kicked from a difficult angle to make that score read K. S. 16; K. U. 14. Then Miller took to the air, pitching to Pollom for 19 and 39 yards and to Dick for 11. Set back 15 yards by a penalty, he calmly rifled one to Gibbons, who out-guessed three Wildcat tacklers embracing him and galloped over to bring the scoring to a close. K. U. 20; K. S. 16. Miller's kick was blocked. The Wildcats could not come back in the remaining 2 minutes and 55 seconds, and the delighted Jayhawkers took over the gridiron for a frenzied rally.

Next Saturday the Wildcats will tangle with Iowa State at Ames. Here are the statistics:

	K. S. K. U.
First downs	17 12
Yards gained rushing (net) ...	211 36
Forward passes attempted ...	10 26
Forward passes completed ...	6 14
Yards by forward passes	63 232
Yds. lost att. forw'd passes ...	0 1
Forw'd passes in'cepted by ...	1 2
Yds. gained, run-back of in'cepted passes	16 12
Punt'g ave. (fr. scrimmage)....	41 40
Total yds., all kicks returned	8 100
Opponents' fumbles recovered	2 0
Yards lost by penalties	55 50

Score by periods:
Kansas State 0 7 0 9—16
Kansas 0 7 0 13—20

Kansas State scoring: Touchdowns, Wilkins, Jones. Point after touchdown, Williams. Field goal, Williams.

Kansas: Touchdowns, Evans, Gibbons. 2. Point after touchdown, Vandever 2.

L. W. COMPTON, EFFINGHAM, WINS SWIFT ESSAY CONTEST OF COLLEGE

Senior in Agricultural Administration Will Receive \$50 for Trip to Chicago

L. W. Compton, Effingham, a senior in agricultural administration, won the Swift essay contest, the local committee announced last week. More than 60 juniors and seniors in the Division of Agriculture entered the contest.

Compton's winning essay was entitled "Food for Freedom."

Compton receives \$50 to pay expenses for a Chicago trip. In Chicago, he will attend the International Live Stock show the last of this month and a four-day school conducted by Swift and company for winners from more than 25 state colleges.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, November 26, 1941

Number 11

GREEKS AND INDEPENDENTS DIVIDE UP CLASS OFFICES

PHIL MYERS, FORMOSO, ELECTED SENIOR CLASS PRESIDENT

Group Claims "Dirtiest Political Stunt" In School's History Takes Place; Student Council Head Sees Only Quiet

Seven Greeks and five independents were chosen officers of the senior, junior and sophomore classes in the election Thursday.

Phil Myers, Formoso, independent candidate for senior president, won over Norbert Raemer, Herkimer, Alpha Tau Omega, in the closest race of the election. Myers received 203 votes, Raemer, 200.

William Bell, Silver Lake, won over Oscar Norby, Pratt, Farm House, for the office of senior vice-president. Senior class treasurer and secretary were won respectively by Mary Griswold, Manhattan, Chi Omega, and Jane Haymaker, Manhattan, Pi Beta Phi. Losing candidates were Marion Miller, Topeka, and Helen Woodard, Topeka.

HANDEL JUNIOR PREXY

Junior class president is Robert Handel, Napa, Calif., Phi Delta Theta. Handel defeated Arthur Fillmore, Augusta, 259 to 210. Jerald Porter, Dellvale, Acacia, defeated Lysle Wilkins, Delphos, for junior vice-president. Patricia Townley, Abilene, Pi Beta Phi, won by 12 votes over her opponent Marcile Norby, Cullison, Daniel Howe, Stockdale, won by nine votes over Dorothy Ratliff, Manhattan, Delta Delta Delta.

Michael Zeleznak, Kansas City football player, was elected sophomore president over Donald Richards, Manhattan, Phi Kappa. Ned Rokey, Sabetha, Alpha Gamma Rho, is sophomore vice-president. He defeated Chester Peters, Valley Falls. Secretary is Margaret Ann Collings, Kansas City, Mo., who defeated Jean Babcock, Manhattan, Delta Delta Delta. John Aiken, Moran, Farm House, won in the election of sophomore treasurer over Glen Barnegrover, Kingman.

Approximately 1,500 students cast votes in what Lawrence Spear, Student Council president, was quoted as saying it was the "quietest election I have seen since I've been here."

INDEPENDENTS CHARGE DIRT

An editorial in the Kansas State Collegian said that Independents claimed the Greeks pulled one of the "dirtiest political stunts" in campus history. The Independents claimed that the Greeks passed out to students sample slates of "Independent" candidates including three Greeks for each class and only one real Independent. Walks of Greek houses were whitewashed with uncomplimentary slogans during the early morning of election day.

Marjorie Rogers, Manhattan, editor of the Royal Purple, said that names of professors winning the popularity balloting, held at the same time as the class elections, would not be announced until the yearbook is released next spring.

HOME ECONOMICS STUDENT WINS POULTRY CONTEST

Merna Vincent Turns in Better Score Than Those in Advanced Poultry

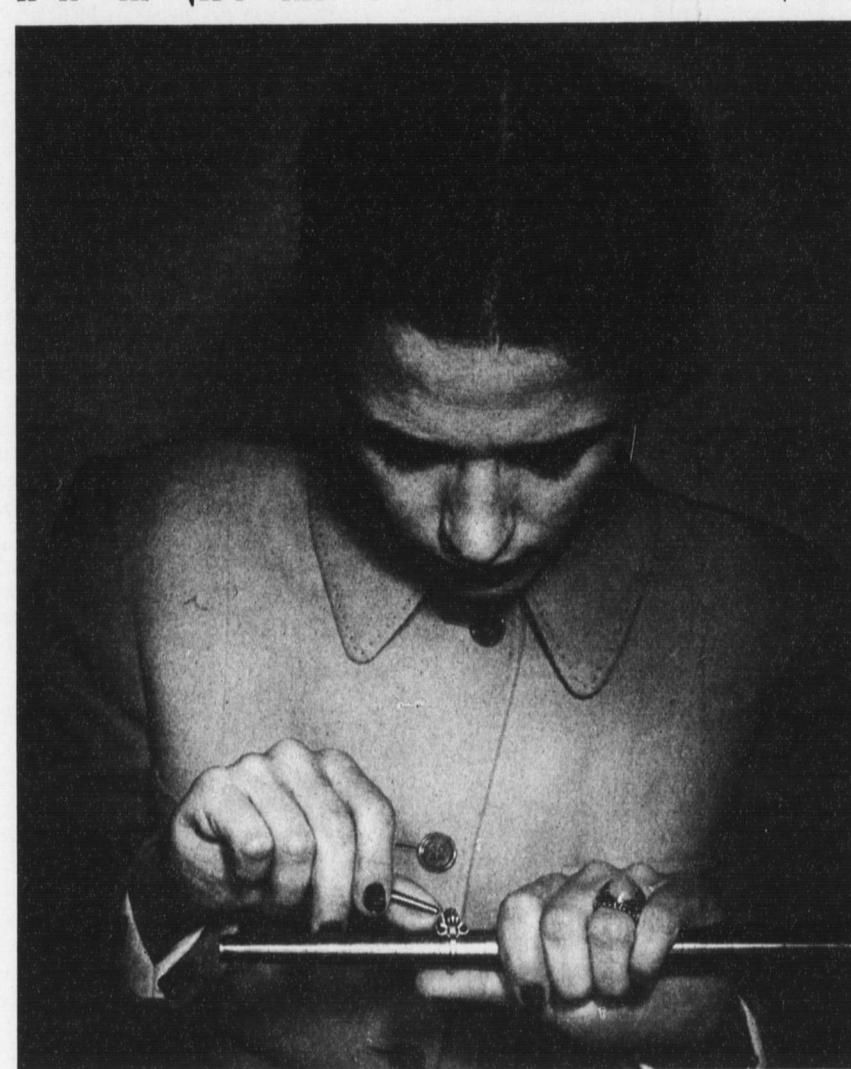
Merna Vincent, Alden, a junior in home economics, turned in the highest score in production judging at the all-College poultry contest Saturday, scoring 391 points out of a possible 400 and bettering students in advanced poultry judging.

B. B. Bohren, a graduate assistant in poultry husbandry, said that Miss Vincent's score was "one of the highest ever made." She will receive a gold medal.

Winners in the three divisions of the poultry judging contest were Thurston Babson, Worcester, Mass., in the junior division; Floyd Frishie, McDonald, senior division; and Edward Buss, Holton, advanced division. Each of the three winners received a turkey as first prize.

Magazine Cover Shows Craftsman at Work

KANSAS MAGAZINE



The 1942 Kansas magazine, which will be issued December 10 by the Kansas State College Press, will have the above illustration of Margaret Craver, Wichita metal crafts worker, as the cover. Miss Craver's photograph was selected because this year's issue of the Kansas magazine will have a handicrafts section devoted to pictures of Kansans at work in such widely separated fields as weaving and stone carving. The magazine will have numerous non-fiction articles, fiction poetry, including an anthology of poems published during the past year, and reviews of books written by Kansans during the year. Copies sell for 50 cents each plus tax and postage.

CHARLES SHAVER WRITES OF ALUMNI FUND

An open letter to students, alumni, and friends of Kansas State College:

In a recent meeting of the Alumni Board of Directors, a program was endorsed for establishing and building up an alumni fund to be administered for those needs of the College which are not financed by the State Legislature. Some of these needs include: a library fund; student hospital; furnishings for Student Union building; low-cost student housing facilities; art objects; cultural programs; chimes tower; fund for scholarships.

This alumni fund is not to be confused with the present student loan fund, which has been operating successfully for a number of years on a strict business basis and giving timely assistance to many deserving students.

The loan fund is well established and administered, and its fine work will continue.

The alumni fund, however, is a medium through which alumni, students, and other friends of the College, may contribute gifts and endowments for these other urgent needs of the school's activities which the state appropriations cannot reach.

The accumulated needs of the College in the way of delayed repairs to existing buildings, needs for new buildings and for increased funds for faculty salaries, occurring along with an increased student enrollment, make it apparent that state appropriations cannot be depended upon for more than an alleviation of these more pressing physical needs on the campus.

Our College is a well established and recognized leader—an institution for valuable scientific research,

noted for its freedom in the dissemination of truth in higher learning,

and for equipping our young people

to a realization of life's fuller joys

and responsibilities. These young people—just as I did, and as you may have—pass this way but once.

The College has an opportunity only for a few fleet years to make its impression for good on these young citizens as they prepare here for life, and for service to their respective communities. How much better and richer that impression and that preparation for life, if our College could have a more liberal use of funds for the library; funds to start at least the first unit of a much-needed student hospital; funds with which to provide inspirational objects of art throughout various buildings on the campus; and other worthwhile and cultural projects which cannot be accomplished with available state appropriations.

Certainly in that great list of 15,000 graduates, and the further thousands of students and friends who know the value and needs of this great school, there will be found many who will welcome the establishing of our alumni fund, to which they may contribute in a substantial way, and thereby create and perpetuate these much-needed and worthy projects—and still other projects which they too may suggest as needed.

It is hoped that our alumni and friends may catch the intended spirit of this great enterprise and effort;

make known their suggestions to our

secretary, Kenney Ford; and come

forth unsolicited in helping to pass

on to those who follow us through

this great school, the torch of still

greater understanding, truth, health,

and that greater "service above self."

What a great opportunity to be a part

of something perpetual and monumental!—Charles W. Shaver, Class

of 1915, Salina, Kan., Member of

Alumni Board of Directors.

Ford Adds Reno Stop

Reno, Nev., has been added to Kenney Ford's western tour of alumni meetings. Prof. F. W. Wilson, '05, University of Nevada, is in charge of arrangements for a meeting there Saturday evening, December 6.

COOPERATIVE REPRESENTATIVES MEET FOR ANNUAL STATE CONVENTION HERE

Dr. W. E. Grimes Expresses Optimism About Future of United States Organizations

Representatives of cooperative associations met on the campus Monday and Tuesday for the annual state cooperative convention to discuss problems of cooperatives and credit organizations and to bring about a closer cooperation between the two organizations and the farmers.

Dr. W. E. Grimes, head of the Department of Economics and Sociology, opened the conference, talking on "What Happened to Farmers' Cooperatives Before and After World War I." He expressed optimism as to the future of United States cooperative groups through the periods of the national emergency and readjustment period.

Doctor Grimes told of the trials of the cooperative system between 1915 and 1935. He said that the lessons learned in those two decades will prove invaluable to cooperative officials in avoiding future pitfalls in a period of readjustment of price levels and economic relations.

An afternoon panel discussion on "How Farmers' Cooperatives May Meet the Impact of National Defense Effort and Its Aftermath" was led by Dr. Frank G. Richards, of the Reno Consumers' Cooperative association. Group meetings on grain, dairy and consumer problems were held.

W. B. Harrison, president of the Union National Bank of Wichita, spoke Tuesday morning to the final meeting of the representatives on "America's Place in the World Crisis." He said that America's first duty is to become strong at home, to unite, and "to accept sacrifices in the struggle for liberty and the American way of life." The conference adjourned at noon.

CHRISTIAN AFFIRMATION SPEAKER SAYS LACK OF LOVE CAUSES WARS

Dr. A. J. Elliott Talks at Assembly About Fundamental Phases of Peace

Dr. A. J. Elliott, Christian Affirmation week speaker, talked on "The Fundamental Phases for Peace" Tuesday morning before a Kansas State College assembly.

In explaining why countries aren't at peace, why capital and labor can not get together, Doctor Elliott said the carnal man doesn't have the capacity to love his neighbors as himself. The speaker maintained that not even a husband and wife could have a harmonious relationship between them without experiencing what he called "new-birth," or the realization of God's importance. Not until all phases of life, including the political phase, can see such a change in all people will there be peace.

Doctor Elliott made his first talk of the Affirmation week program Sunday evening at a mass meeting in the College Auditorium. A social hour in Recreation Center for young people's groups of Manhattan churches preceded the Auditorium meeting.

Discussing "The Roots of Our Christian Religion," Doctor Elliott Sunday stressed the importance of using Christian influence on others. He said "you don't have to send anyone around to organize evil, but you have to have a powerful stimulus to make your goodness function." He believes every Christian student only needs to see where to begin, and to make the best of what he has, to do a great work for the cause of Christianity.

Monday and Tuesday he conducted interviews and student forums. His concluding talk Tuesday afternoon in Recreation Center was on "Conflicts and Loyalties."

CHICAGO PROFESSOR EXPLAINS CIPHER WRITING TECHNIQUES

MATHEMATICAL SOCIETY MEETS HERE FOR FIRST TIME

Dr. A. A. Albert, Member of Government Research Committee, Discusses Various Methods for Codes

Even mathematicians are baffled by code messages which use algebraic methods. Prof. A. A. Albert of the University of Chicago told a meeting of the American Mathematical society on the campus Saturday.

More than 100 mathematicians came for the two-day meetings Friday and Saturday. It was the first time that the society had ever met on the campus. Doctor Albert's talk on "Some Mathematical Aspects of Cryptography" was one of the highlights of the program. Because of his work for the federal government on a committee doing research in cryptography, Professor Albert was not able to discuss this science of secret writing and confined his speech to cryptography or the art of cipher writing.

THREE MAJOR TECHNIQUES

The Chicago professor said that the three major techniques that may be used for codes are (1) concealment writing, (2) transposition cipher and (3) substitution cipher.

"It is not important that messages be primarily uncrackable," he remarked, "but only sufficiently so as to slow down the enemy."

"Remember," he stressed, "what I have said to you today is merely in the light of a private citizen. I know nothing of what the army intelligence department is doing."

ILLUSTRATES ON BLACKBOARD

Most of Professor Albert's talk was illustrated by showing, on the blackboard, how certain ciphers are set up and how to encipher them. Using 29 characters in his alphabet, because that is the closest prime to 26, he demonstrated how messages could be set up by replacing A by 1, B by -1, C by 2, D by -2, and so forth. Thus, "6 1 -7 10 1 10" spells Kansas in this simple cipher. He demonstrated various algebraic methods by which this same cipher could be set up by equations and their solutions.

The substitution method of the cipher alphabet may be broken down into four methods: (1) simple or mono-alphabet type, (2) multiple, (3) polygram and (4) fractional.

PROFESSOR MUNRO GIVES PAPER

G. C. Munro, associate professor in the Department of Mathematics, read a research paper on a "System of linear differential equations with constant coefficients." His report was based upon study spent in research and included new material.

Research papers were read by 11 other mathematicians attending the meeting.

ENGINEERING FRATERNITY SELECTS 22 NEW PLEDGES

Students Will Begin Initiation December 1 to Sigma Tau

Informal initiation for 22 pledges of Sigma Tau, honorary engineering fraternity, recently elected to membership in the society, will begin December 1 and will end with the formal initiation ceremonies on December 11.

Those selected were:

John McClurkin, Clay Center; David Blevins, Manhattan; Robert Myers, Junction City; Norman Ross, Manhattan; Rex Taylor, Hillsboro; Jack Horacek, Topeka; Boyd Rosette, Hutchinson; Robert Hamm, Humboldt; Earl Barb, Hamilton; Leon Findley, Kiowa; Kenneth Johnson, McPherson.

Joseph McDonald, Topeka; Kenneth Rice, Greensburg; James Parsons, Hiawatha; Joe Bruington, Kansas City; Cecil Johnson, Wamego; Oscar Brumback, El Dorado; Kenneth Palmer, Cheney; Edward Hellmer, Olpe; Page Wagner, Webster Groves, Mo.; Warren Corbet, Severance, and Charles Beardmore, Concordia.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY Editor
HILLIER KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, NOVEMBER 26, 1941

DOING SOMETHING ABOUT IT

Farm production, spurred by defense needs, is expected to set a new record in 1942, for the third consecutive year.

As Morse Salisbury asked in his recent talks in Kansas, "What other industry in America can match that record?"

The agricultural Middle West has been slow to reach the boiling point in the production of verbal assaults on the Axis powers. Some of the more vocal representatives of other sections of the country have evidenced disgust, even alarm, at our failure to become emotionally aroused.

But the figures on voluntary enlistments in the armed forces of the country show that the Middle West, in proportion to population, is furnishing more men than either the East or the South.

The figures on food production show that no industry is outstripping agriculture in its response to defense needs.

The Middle West, in other words, may be guilty of not "talking a good war." It lags behind the rest of the country in the per capita production of resolutions and epithets. But when it comes to doing something toward the defense of the country the Middle West yields to no other area.

CITIZENS CAPABLE OF FREEDOM

In America we think we have the rudiments, at least, of a free community and a good state. We look to education to give us free minds which will join in our struggle toward a better life for all the people. We need human instruments of production; we may even need human instruments of war. But aside from the fact that human dignity forbids us to look upon any human being solely as an instrument, we have another need that is far more urgent—we need men and women capable of freedom.

The task of fashioning human instruments of production is easy and is getting easier all the time. If there are jobs to be found they call for little or no preparation. Compare the technical knowledge required in skilled trades today with the demanded 500 years ago. The weaver, the ironworker, and the glassmaker had to command technics of a complexity that would startle the modern machine operator. We are rapidly becoming a nation of button-pushers. Earning a living in industry is no longer a matter of training; it is a matter of getting a job when the demand for jobs outruns the supply. Going through the simplest mechanical motions 40 hours a week will take care of the business of earning a living.

But the business of citizenship in a free community is growing more complicated every day. The disappearance of the frontier, the advance of industrialization, the growth of great cities have presented the American citizen with problems the like of which he never knew before. The whirlwind of labor-saving devices which has descended upon us has created more difficulties than it has removed. What shall we do with our gadgets? What shall we do with our free time? What shall we do with ourselves?

As R. H. Tawney has put it, "If

the Kingdom of Heaven is not eating and drinking, but righteousness and peace, neither is civilization the multiplication of motor cars and cinemas or of any of the innumerable devices by which men accumulate means of ever increasing intricacy to the attainment of ends which are not worth attaining."—Robert Maynard Hutchins in Harpers magazine.

CIVIL LIBERTIES AND OBLIGATIONS

The words "civil liberties" are not to be bandied about carelessly. They are precious words, but they also are responsible and realistic words. Academic freedom, for instance, is not a long heritage, nor is it ever a secure heritage. Like all freedoms is must be continuously maintained. One importance of academic freedom that I wish to mention is that it allows for heresy. It is a recognition of the changing nature of orthodoxy, and it is a kind of life insurance, for without it, thinking might come to a dead end and so die. But the guarantee of the right of heresy is the guarantee of the individual's right to seek the truth, wherever that search may take him. I am sure that you have grasped that. Academic freedom is the safeguarding of the scholar who is weighing truth in the scales of his own inner being. If he is not doing that he is not a scholar. If he is not a scholar searching for truth, academic freedom is not for him, and he has no right to appeal to its protection. If a man who has been a scholar takes on a political obligation which binds him to accept a judgment of truth outside his own experience and forbids him the privilege of search, he has himself contracted out of academic freedom. That is plain. You can not be a scholar, entitled to academic freedom, and give up your right to think, inquire and judge.—Raymond Gram Swing in commencement address at Brooklyn college, June 25.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

E. E. Larson, '29, was appointed assistant superintendent of construction at the federal penitentiary at Leavenworth.

Prof. J. B. Fitch, head of the Department of Dairy Husbandry, was one of two dairy cattle judges from the United States invited to judge cattle in the Royal Agricultural Winter fair at Toronto, Canada.

Pres. F. D. Farrell, Dean L. E. Call of the Division of Agriculture, Dean R. A. Seaton of the Division of Engineering, Dean H. Umberger of the Division of Extension and Dean Margaret Justin of the Division of Home Economics were the five representatives of the College at the forty-fifth annual convention of the Association of Land Grant Colleges.

TWENTY YEARS AGO

R. E. Hunt, '11, was professor of animal husbandry in the Virginia Polytechnic institute, Blacksburg, Va.

Ivy Ann Fuller, '13, of Manhattan, was appointed director of the historical section of the American Legion, with headquarters in Indianapolis, Ind. This was a newly created office of the legion.

THIRTY YEARS AGO

Dr. E. L. Morgan, '01, was practicing medicine at Phillipsburg.

C. H. Carr, '11, resigned his position with the Western Electric company at Kansas City, where he had been working since his graduation, to take up work in the meter department of the Kansas City Electric Light company.

E. L. Holton, professor of rural education, was at Blue Rapids organizing a neighborhood improvement club. Following that he went to Kinsley and addressed the Edwards County Teachers' association and to Goodland, where he spoke before the Northwestern Kansas Teachers' association.

FORTY YEARS AGO

Prof. H. M. Cottrell left for Champaign, Ill., to attend the meeting of the Illinois Stock Breeders' association.

Charles A. Scott, '01, was in the employ of the Division of Forestry of

the Kingdom of Heaven is not eating and drinking, but righteousness and peace, neither is civilization the multiplication of motor cars and cinemas or of any of the innumerable devices by which men accumulate means of ever increasing intricacy to the attainment of ends which are not worth attaining."—Robert Maynard Hutchins in Harpers magazine.

SCIENCE TODAY

By F. C. FENTON
Professor, Department of Agricultural Engineering

Grain sorghums give trouble in storage for two primary reasons: (1) they contain too much moisture when threshed in the fall to keep safely in storage, and (2) they are commonly stored in unventilated bins which do not permit them to dry out.

There is nothing in the nature of grain sorghum nor in its behavior under storage which is fundamentally different than other grains. All grains heat and mold when stored in bulk with an excess moisture content, in a manner similar to sorghums. Heat is evolved by the growth of micro-organisms and by the respiration of the sorghum grains. Unless the heating is stopped, mould growth is so extensive that the grain is ruined for feeding purposes. Sorghums containing 12 percent moisture or less are safe for storage. During the winter months, grain having 14 to 15 percent has been stored successfully, but with the advent of warm weather, grain having more than 12 to 13 percent is likely to heat and mould.

The nature of the sorghum crop and the conditions of harvest make it quite probable that the grain itself will contain a high moisture content when threshed in the fall. The grain sorghum plant stays green and continues to grow if moisture is present, until killed by frost. Although the grain may be well matured in certain years, the green plant and juicy stalk feed moisture up to the grain, preventing it from drying out until frost stops plant growth. Many seasons the crop is not well matured when growth is stopped by freezing, in which case immature kernels contain a high moisture content.

It is not usually practicable in all seasons to delay the harvesting of grain sorghums until they are dry enough to keep in storage. The tendency to lodge in the high winds common on the western plains makes it desirable to get the harvesting done promptly. The new dwarf varieties, bred for the combine, have short, stiffer stalks, and on the whole do not lodge badly. During some fall seasons, weather conditions are not good for drying grain sorghums. When frosts come early and cold weather moves in, there is likely to be little chance for drying.

Sorghum is like the corn crop, in that it matures late in the fall and is commonly harvested with a high moisture content. During the past eight years, when studies were made on the moisture content of newly harvested sorghums, on only two years was the moisture content low enough for safe storage.

Grain sorghums, like other grains, are hygroscopic in nature; that is, they gain or lose moisture when the vapor pressure in space surrounding the grain is greater or less than the vapor pressure exerted by the moisture within the grain. Grains tend to reach and maintain an equilibrium moisture content with the surrounding air. This equilibrium moisture content has been determined by exposing samples of the grain to a constant temperature and relative humidity maintained by sulphuric acid-water solutions. These determinations show that when the average relative humidity is below 50 percent, sorghum grains fully exposed to the air will not contain more than 12 percent moisture. But when the relative humidity is 75 percent the same grain will contain about 16 percent moisture.

The problem of safe storage of grain sorghum is primarily that of removing the excess moisture before heating occurs. If the weather is cold and the grain is cool when

the United States Department of Agriculture.

President and Mrs. Nichols and Prof. J. T. Willard returned from Washington, D. C., where they attended the fifteenth annual convention of the American Agricultural Colleges and Experiment Stations.

FIFTY YEARS AGO

W. S. Arbuthnot, '91, was attending a veterinary college in Chicago.

H. E. Robb, '88, was elected to the office of county surveyor in Greenwood county.

O. L. Utter, '88, was principal of the Garden City high school, which had

placed in the bin, there is usually no storage trouble until warm spring weather comes on. Sometimes late fall warm spells may start heating in newly threshed sorghums. Usually the spring is the first danger period.

The problem is to utilize drying conditions which prevail in the sorghum-producing areas during the fall, winter, and spring months to dry the grain down to a safe moisture content.

Two principles of grain drying may be stated as follows:

1. Grain gains or loses moisture because of the vapor pressure difference between the grain itself and the surrounding air. If the vapor pressure of the grain is higher than the pressure in the space surrounding the grain, moisture will flow out of the grain. If the reverse is true, moisture will flow into the grain and there will be a gain in moisture content.

2. The rate at which a grain gains or loses moisture is roughly proportional to the magnitude of the vapor pressure difference which prevails between the grain and the surrounding space.

In order to dry grain sorghums effectively by ventilation in storage, two conditions must be provided, as follows:

1. The vapor pressure of the air which is made to flow through the grain must be lower than the vapor pressure of the moisture within the kernels of the grain itself.

2. The movement of air through the grain must be rapid enough to maintain some vapor pressure difference until the air leaves the grain.

The first condition is easily satisfied by the dry air (low humidity air) which usually prevails during the fall and winter months in regions which produce grain sorghums. As the winter comes on and the mean air temperatures drop, the vapor pressures drop regardless of the relative humidity. Cold winter air has a low vapor pressure. The grain also has a low vapor pressure, but the lag in cooling of the grain in the bin is advantageous for the drying process. Warm grain and cold air create a large vapor pressure difference. The damper the grain, of course, the higher the vapor pressure set up within the kernels. However, temperature of the grain and air is of greater importance than either moisture content of grain or relative humidity. Hot grain, either due to natural heating or artificial heating, has a high vapor pressure and is in ideal condition for drying.

The movement of air through the grain is a matter of mechanics. Resistance to air movement is not large, because 38 to 40 percent of sorghums is air space. Just how rapidly the air must flow for most effective drying is difficult to determine.

Small laboratory tests indicate that rate of loss of moisture continues to increase with air movements up to 1200 air changes per hour.

In order to be effective, ventilation must provide for a definite air movement through the air spaces in the grain. An opening in the walls of a bin may be said to provide ventilation, but unless there is some force to make the air flow through the grain, the ventilation will not be effective in drying. Forces which can be used to create ventilation in grain bins are: (1) force of the wind, (2) difference in temperature, and (3) mechanical ventilation with power-driven fans.

These methods have been tried in storage experiments to determine their practical value. Results have shown that with proper attention to ventilation, grain sorghums can safely be stored through the spring and summer months.

an enrolment of sixty pupils.

SIXTY YEARS AGO

The regular Friday afternoon lecture was delivered by President Fairchild, who discussed "Science in Every-day Life."

At the meeting of the Alpha Beta society the debate was conducted by Miss Cranford and Mr. Willard on the affirmative and Miss Marshall and Mr. Gardiner on the negative. The question was "Resolved, That the Negroes of America have received worse treatment at the hands of the whites than have the Indians." The decision was in favor of the negative.

KANSAS POETRY

Robert Conover, Editor

BLUE VALLEY MOTHER

By Lucille McIntosh

Be kind, my hills, to this the child I bear
Within my bosom; teach her to behold
The wonder of God's hand that placed
you here
And man among you; let her never want
For beauty when your wooded crests
are green
And apple blossoms blow upon your
brow,
Nor when the snow breathes soft upon
your hair,
Nor when, as now, gay Autumn lifts
Of sumac wine to your all-knowing lips.
Let this, our child, this child of mine
Greet every morning of her life with
joy
That she is of your issue; let her know
Each knoll and each ravine, each crooked
crag
And mouldy stump as I behold them

And then, good hills, when I shall be
no more,
When she must bear her burdens all
alone
As I have, as a woman, let her find
In your embrace the comfort and the
strength
That you have given me; and when at
dusk
She stands upon this rise and knows
your soul
She will have known this poignant,
shining hour.

Lucille McIntosh Dendure, '40, lives at South Charleston, W. Va.

SUNFLOWERS

By H. W. Davis

IN REVERSE

Quite often during these troublous days do I get to thinking about what a scurvy trick was played on the race of man when he was endowed with what he is pleased to call a mind, or an intelligence.

If you want a specific instance of what I mean, sit down today and write out your guess as to what the headlines will scream at you one week from today. What will be the status of the railroad strike? Shall we be at war with Japan in the Pacific? Will John L. Lewis still be fighting the President? And what about? Will the news from Moscow be favorable to the Reds or the Nazis? Will there be warfare in northern Africa?

With the football season practically over and parlay operators enriched beyond their fondest dreams, why don't they go to making parlays on the war situation a week from today? There are suckers other than football fans. Men who can make oodles of money betting you 150 or 200 to 1 you cannot select 10 winners in 20 gridiron frays on Saturday afternoon ought to be smart enough to make oodles more betting you can't guess the front page headlines on Sunday morning—or any morning.

The parlay boys might even enter the domestic field and offer attractive odds that you cannot tell whether you will be in the doghouse all day next Thursday or not. Will the family bus be available for golf on Tuesday afternoon? Will Henry come home from the office on Wednesday evening a raging bear or a cooing dove? Will Henry, Jr., smash the car to smithereens on Friday night or merely rip off another fender? Will Mary remain engaged to this same droop one or three weeks longer?

You see, you really don't know anything; but since you have a mind, you have to go around acting as if you do.

Maybe you'd better come to an understanding with your intelligence, and realize it runs only in reverse—that it has no forward speeds whatever, and operates comfortably only when idling.

Let us take a tip from the parlay boys. They are smart. They know you never can tell, and they know you are a miserable guesser. They also know you will bet they are wrong.

That is why I get miserable now and then thinking about my thinking. My eyes are in the front of my head; but even though the speed of light is 186,000 miles per second, I can see only what has happened. So can you.

No, don't jump to a conclusion. I haven't invested a single penny with the parlay operators this football season. But I've been tempted, and I've kept a record, and I know exactly how much I would not have won.

AMONG THE ALUMNI

Mary (Willard) Emrick, B. S. '95, writes, "Our family history, so far as Victor Emrick, B. S. '95, and myself, remains the same. We live at 3025 Franklin, Omaha, Neb."

"Our son-in-law, F. Howard Shirck, '23, and our daughter, Mildred (Emrick) Shirck, H. E. '24, have been transferred from Parma, Idaho, to 1205 Heyburn Avenue E, Route 3, Twin Falls, Idaho."

Dr. William H. Morgan has been appointed dean of Asheville college, Asheville, N. C., and his wife, Dr. Mildred (Inskeep) Morgan, H. E. '12, has been appointed acting dean of women and head of the department of the home. Mrs. Morgan will direct development of the department of the home.

The Morgans went to Asheville from Iowa City, where Doctor Morgan was connected with the University of Iowa. Mrs. Morgan received her doctor of philosophy degree from the university last spring, majoring in parent education and child psychology. She has been a lecturer in the fields of home relationships and problems, visiting more than 75 universities and colleges and about 100 high schools in that capacity. She has been a leader in more than 60 community, state, and national Parent Teachers' association, church, home economics, and social work conferences. She taught home economics for four years in Manhattan high school and the College of Emporia.

She went with her husband to Rumania where he did welfare work with students there. Later, while both were in graduate study in New York, she was associated with Mrs. Sophia Lyon Fahs as teacher and supervisor in the Union School of Religion. During part of this period she also served as co-chairman of a commission interested in student life, which produced the book edited by Elliott and Bone, "The Sex Side of Youth." She left New York for Iowa when her husband became connected with the university of that state.

The Morgans have two children.

Dr. Esther S. Nelson, H. E. '15, writes, "I was in Kansas this summer but I did not get an opportunity to come to Manhattan. I am still practicing medicine in Los Angeles. My husband is Dr. Ward C. Alden, eye, ear, nose and throat specialist, and we have two daughters. I am teaching nutrition to the juniors at the University of Southern California Dental College. I still follow the events at the College with great interest." The Aldens live at 727 W. Seventh street, Los Angeles, Calif.

Robert Osborn, Ag. '17, and Amy (Lamberson) Osborn, H. E. '17, live at 5615 Green Tree road, Bethesda, Md. Mr. Osborn is chief of the dairy and poultry section, Purchase Division, Surplus Marketing administration, United States Department of Agriculture. At present, he is purchasing dairy and poultry products under the lease-lend legislation.

Fred Griffee, Ag. '19, wrote during the summer to Pres. F. D. Farrell:

"During Commencement week activities there at Kansas State I heard the broadcast of Maj.-Gen. James G. Harbord at the alumni-senior banquet. I listened with interest to the talk of the major-general so far as it went before the broadcasting company cut in for some other program. The fact that I could sit here in my home at Orono, Maine, and listen to the program in progress at Manhattan—some 2,000 miles away—exemplified some of the progress outlined by the speaker as having been made during the past 25 years. Many of the comments of the speaker were on subjects very much in the thinking of all agricultural research agencies and I listened with a great deal of pleasure."

Mr. Griffee and Lois (Bellamy) Griffee, '17, live at 75 Bennoch road, Orono, Maine. Mr. Griffee is director of the Maine Agricultural Experiment station.

Dale Allen, Ag. E. '22, Ag. '41, is at Westmoreland as county agent of Pottawatomie county. His wife is Grace (Carman) Allen.

Lawrence D. McDonald, M. E. '23, Prof. Deg. '31, is resident engineer for the Fairfax bomber plant, Kansas City, Kan. He and Ona (Moon)

McDonald live at 16 W. Dartmouth road, Kansas City, Mo.

Winifred (West) Southworth, H. E. '24, Burns Lane and Powell street, Williamsburg, Va., writes that she lives in the historic city where her husband, S. D. Southworth, is professor of economics in the College of William and Mary.

Maj. Hal F. Irwin, Ag. '25, is post exchange officer and may be addressed at Camp Joseph T. Robinson, Ark. He and Martha (Knox) Irwin live at 2719 Fern, Little Rock, Ark.

Everett J. Weeks, f. s. '26, is system load dispatcher for Utah Power and Light company, an electrical utility supplying Utah, Western Colorado, and Southeastern Idaho. He and Bess (Soupene) Weeks may be addressed at Terminal Sub Station, Salt Lake City, Utah.

Wilma (Hotchkiss) Hildebrecht, H. E. '27, has moved to 7200 Ridge boulevard, Apt. 387, Brooklyn, N. Y. Mr. Hildebrecht was lieutenant in a Civilian Conservation Corps camp, Yellowstone Park, Montana, and is now stationed at the Port of Embarkation, Brooklyn, N. Y.

John L. Hancock, H. E. '28, is with the maintenance department, Boeing Aircraft company, Wichita. He and Beulah (McBride) Hancock live at 1263 S. Pershing avenue, Wichita.

Linnea (Carlson) Dennett, H. E. '29, is in extension work at the College of Home Economics, Cornell University. Her address is 319 Mitchell street, Ithaca, N. Y.

Orpha Brown, H. E. '30, finished her M. A. degree in adult education in August at Columbia university, New York. She has returned to Lewiston, Mont., as home demonstration agent.

Mildred K. McBride, H. E. '33, began her third year as Vermilion County, Ill., Home adviser on September 1. Her address is 323 N. Franklin street, Danville, Ill.

Mildred (Madsen) Overton, Music Ed. '33, writes, "I am a housewife, caring for our 11-month son, Richard Coke, III. Mr. Overton is foreman of the Arizona-Compress and Warehouse company of T. J. West Cotton company. Since Arizona has only two compresses many thousand bales of cotton are handled in Phoenix and shipped around the world. We are looking forward to the alumni meeting and Kansas State game November 27 in Tucson."

Frederick W. Hill, Com. '34, M. S. '35, and Mary (Allman) Hill, '34, are living in Rensselaer, N. Y. Mrs. Hill writes, "Rensselaer is on the eastern bank of the Hudson River directly opposite Albany. Fred is working with the New York State Educational department, finance division, in Albany. He finished his work this last summer at Columbia University for his doctor's degree in education. We have a little girl, Ruthann Adele, not yet three, who is the pride and joy of her parents. Any alumni who are coming here or are near here will be more than welcome at our home."

Lt. Leslie W. King, Mill. Ind. '35, is serving in the Fourteenth Coast Artillery, Ft. Worden, Wash. Before going into the army, he was with the International Milling company, Minneapolis, Minn. He writes, "Several other men are stationed here who have graduated from Kansas State and it is a pleasure to be with them again. In many ways, living in the officers bachelor quarters is like the days in school."

Dr. O. K. Lassen, D. V. M. '36, and Gean (Brandenburg) Lassen, f. s., 2914 N. Fifteenth avenue, Phoenix, Ariz., and their children were College visitors in August. They were spending a part of their vacation with relatives in the Midwest. Doctor Lassen is a veterinarian and is in partnership with Dr. L. N. Butler, D. V. M. '37.

Bertel E. Soderblom, Ag. '39, was called into military service on August 22 and now is stationed with the Air Corps Advanced Flying school, Victoria, Texas. This school is one of many recently constructed and as yet is not operating at full capacity. He may be addressed Lieutenant Soderblom, A. C. A. F. S., Victoria, Texas.

Frances L. Meyer, H. E. '40, is home management supervisor with the Farm Security administration, Hays, Kan.

Betty Bonnell, H. E. '41, 219 W. Sixty-Sixth street, Kansas City, Mo., is working as one of Martha Logan's assistants in the test kitchen at Swift and Company, Kansas City, Kan.

LOOKING AROUND KENNEY L. FORD

Kansas State College alumni met for noon luncheon at the Iowa State Student Union building last Saturday, before the Iowa State-Kansas State football game at Ames. Martin Fritz was in charge of the luncheon.

Those who registered were Marcia E. Turner, '06; Martin F. Fritz, '24, M. S. '25; J. C. Cunningham, '05; Martin Mortensen, '34; H. T. Chang, '41; W. T. Federer, '41; Robert Nottorf, '39; Paul E. Sanford, '41; Richard Atkins, '41; Vivian E. Anderson, '40; Jessie Collins, '41; Mrs. J. L. Lush; Barbara Brooks, f. s.; O. G. Woody, '25; H. J. Barre, '30; W. J. Conover, '32; Ione (Clothier) McNay, '36; and Charles E. Rogers, M. S. '26, all of Ames.

Alumni from out of town who registered included R. E. Phillips, '35, College Park, Md.; Mac Davidson, f. s., Kansas City, Kan.; George S. Holland, '23, and Zana (Wheeler) Holland, Des Moines, Iowa; Martha (Nitcher) Sowers, '01, Story City, Iowa; Dorothy Alice Johnson, '29, Marshalltown, Iowa, and Kenney L. Ford, Manhattan.

MARRIAGES

LYNN—SPANGLER

Margaret Lynn, H. E. '37, was married to E. H. Spangler July 20. Their home is at 425 Wisconsin, Holton.

BARESEL—MUNSON

Bernice Baresel was married to Ralph C. Munson, Ag. '32, October 12. They live on a farm near Junction City.

STRICKER—SMITH

Delora E. Stricker, G. S. '40, and Ivan R. Smith, Chem. E. '40, were married October 10 at Little Rock, Ark. They are at home at 303 Avalon street, Memphis, Tenn.

MELCHER—DEAN

Mary L. Melcher, f. s. '41, and John G. Dean, Ag. E. '39, were married October 5. They live at 4121 Starr street, Lincoln, Neb., where Mr. Dean is a graduate assistant at the University of Nebraska.

HIGBEE—FEINBERG

The marriage of Helen V. Higbee, H. E. '39, and Joseph G. Feinberg, M. S. '36, D. V. M. '38, took place October 11. They are now living at Roanoke, Va., where Doctor Feinberg is Civilian Conservation Corps veterinarian.

SHANNON—RODGERS

Marylee Shannon, H. E. '37, was married to Thomas Ray Rodgers on Thursday, October 9, at Danville, Va. Mrs. Rodgers has been dietitian at the Memorial hospital, Danville, and is continuing there while her husband is in service in the United States Army.

JACKSON—PAYTON

Helen Jackson, G. S. '41, and Willis D. Payton, Chem. E. '41, were married September 2. Mr. Payton is in chemical engineering work as a problem chemist with Phillips Petroleum company, Kansas City, Mo. The Paytons live at 2718 Linwood, Kansas City, Mo.

MODIN—KING

The marriage of LaVera Modin to Theron L. King, B. A. '41, was October 18 at the Lutheran church at Olisburg. They left at once for San Antonio, Texas, where they will live while Lieutenant King is stationed in Company I, 38th Infantry, Ft. Sam Houston, Texas.

KNOTT—MAGERKURTH

The marriage of Jean Marie Knott, f. s. '41, to Richard H. Magerkurth, Mill. Ind. '40, was solemnized October 4 at the First Methodist church in Independence, Kan. Mr. Magerkurth is in the manufacturing department with General Mills, Inc., Chicago, Ill. They live at 6116 S. Kimbark, Chicago.

KINNAIRD—ATTWOOD

Betty Kinnaird and O. Arthur Attwood, I. C. '33, were married October 18 in the First Methodist church, Topeka. Dr. Ormal L. Miller read the marriage service. Mrs. Attwood, who is a graduate of the Silver Lake high school, has been employed by the Santa Fe railway in Topeka. Mr. Attwood operates a stock farm eight

miles west of Topeka, where he and his bride will make their home.

EDWARDS—VAN HORN

The marriage of Elma Edwards, I. J. '36, to Max Van Horn took place in Washington, D. C., September 27. Mrs. Van Horn, for the past several years, has been employed in the government offices in Washington. Mr. and Mrs. Van Horn are now at home at 2026 Ft. Davis street, S. E., Washington, D. C.

CROOK—ARENS

Lucene Crook and Cecil F. Arens, E. E. '35, were married October 4 at St. John's church, Iola. The bride has been employed for the past two years by the Central Trust company, Topeka. She formerly attended Iola Junior college. After his graduation from Kansas State College, Mr. Arens attended the Washburn Law school and is now a patent attorney with the Automatic Products company, Milwaukee, Wis. They are at home at 3963 N. Teutonia, Milwaukee, Wis.

HABIGER—BISSING

In the Holy Name Catholic church of Bushton, October 1, marriage vows were read for Beatrice Habiger, H. E. '40, and Dr. Al M. Bissing, Mrs. Bissing, a member of Alpha Delta Pi social sorority, has been teaching home economics in the Emmett High School. Doctor Bissing attended Hays State college and is a graduate of the University of Kansas City. He has been practicing dentistry in Dodge City for the past several years. Recently he was called into government service and is now a first lieutenant in the Medical Corps, Ft. Knox, Ky.

BIRTHS

Alice (Cole) Kern and Charles Ike Kern, Ag. '40, are parents of a daughter, Mary Beth, born October 26. Their home is at Oberlin, Kan. Mr. Kern is county agent for Decatur county.

Sue (Lyon) Dubois, G. S. '37, and Robert H. Dubois, Ag. E. '39, 825 N. Jefferson, Iola, have a daughter, Suzanne, born October 20. Mr. Dubois is district engineer for Soil Conservation service at Iola.

Jay Eugene Faulconer is the son of Vera (Thackrey) Faulconer, G. S. '31, and John V. Faulconer, C. E. '30, born October 25. The Faulconers live at 1168 Webster, Topeka. Mr. Faulconer is employed by the State Highway department.

H. M. Dimond, E. E. '41, and Opal (Zion) Dimond, f. s., have chosen the name Lyman Gayle for their son born October 10. Mr. Dimond is working with General Electric, Schenectady, N. Y. Their home is at 512 McClellan, Schenectady.

RECENT HAPPENINGS ON THE HILL

Faculty members and other College employees contributed \$455 in the annual Red Cross campaign.

Dr. H. H. Haymaker, professor of botany and plant pathology, last week was re-elected chairman of the Pawnee district of the Boy Scouts of America.

Veterinary medicine students held their annual fall Javamarack party Friday evening at the Avalon ballroom. Matt Bettton and his orchestra played for the dance.

While students prepared to leave for their homes for Thanksgiving, the weather man gave a Christmas touch to the campus as the remains of the season's first snow slowly melted.

The College band has been split into two concert bands now that the football home season has ended. William D. Fitch, director, is working on concert programs for each group.

Journalism students and faculty members made their annual field trip to Kansas City Saturday, visiting the Associated Press, Kansas City Star, Radio Station WDAF and Western Newspaper Union.

The second issue of the Kansas State Engineer, issued Saturday, contained 36 pages, four more than the first issue and the largest number printed by the publication. Special attention was given in the issue to the Departments of Civil Engineering, Agricultural Engineering, Applied Mechanics and Electrical Engineering.

Jim Stockman Works in New York

Jim Stockman, f. s. '41, is with the advertising department of the Shell Oil company in New York City. As a specialized writer for the concern, most of his time is spent in writing both technical and non-technical material. His address is Phi Gamma Delta club, 106 W. Fifty-Sixth street, New York City. Mr. Stockman, who was graduated from the University of Oklahoma, was editor of the Kansas State Engineer when he was in school here.

Geiger is Marine Aviator

Gerald Geiger, a senior in business administration and accounting last year, is now a full fledged naval aviator and second lieutenant in the United States Marines. Graduated from the advance flight training class at the Naval Air station, Jacksonville, Fla., last May, Lieutenant Geiger has an outstanding record since enlisting last January.

CHRISTMAS?? CHRISTMAS??? CHRISTMAS????

We HAVE solved the Christmas Gift problem—

GIVE THE KANSAS MAGAZINE

The Kansas Magazine Publishing association
Box 237

Kansas State College

Manhattan, Kan.

Enclosed is \$..... (check, money order, cash or stamps).

I want (check items below):

..... copies of the 1942 Kansas magazine at 60c (50c plus 10c postage and tax).

Ten copies of the 1942 Kansas magazine to one address for \$5.00 (including postage and tax).

I want these items sent as gifts.

You may send them directly to me. } check one.

MY NAME AND ADDRESS IS:

Name

Street

Town

State

119 FRESHMEN ARE AWARDED PHI KAPPA PHI RECOGNITION

DR. MARY T. HARMAN, SECRETARY, ANNOUNCES LIST

Division of General Science Has 38 Names Included Among Those Honored By National School Society

One hundred nineteen freshman students were given recognition Tuesday by Phi Kappa Phi, national honorary scholastic society. Names of the freshmen were announced by Dr. Mary T. Harman, secretary of the College chapter of Phi Kappa Phi.

Each freshman of the 1940-41 school year so honored received a certificate in recognition of his or her achievement. Each year Phi Kappa Phi honors the freshman students of the previous year who ranked in the upper one tenth of their class in each division. Selection is based on at least 25 hours of work done at the College.

GENERAL SCIENCE HAS 38

The list includes 22 students from the Division of Agriculture; 35 from the Division of Engineering and Architecture; 38 from the Division of General Science, and 24 from the Division of Home Economics.

Those honored include:

Division of Agriculture—Brinton Marlo Dirks, Moundridge; James O. Larsen, Scandia; Walter H. Smith, Shawnee; Dale A. Knight, Manhattan; Robert C. Pickett, Manhattan; John M. Aiken, Moran; Harold L. Hackerott, Alton; Melvin Stiefel, Gypsum; Lloyd G. Alvey, Kansas City; Alfred J. Koch, Sharon Springs; Chester B. Wood, Trousdale; Robert J. Flipse, Oakley; John H. Tasker, Caney; Wallace R. Anderson, Greenleaf; Harold M. Riley, Holton; William Henry, Jr., Lecompton; John E. Sayler (deceased), Manhattan; Howard J. Johnstone, Wamego; Foster W. Yeager, Manhattan; James H. Shaver, Goodland; Bernard Taub, Brooklyn, N. Y.; Lloyd E. Kuhnmuensch, Clayton, Mo.

35 FROM ENGINEERING

Division of Engineering and Architecture—Rex E. Leuze, Sabetha; Darren B. Schneider, St. Francis; Myron T. Foveaux, Junction City; Donald D. Davis, Abilene; Don P. Grutzmacher, Onaga; Raymond F. Maldoon, Marysville; Dale R. Carver, Oakley; Robert E. Keith, Manhattan; Lloyd E. Peterson, Tescott; George Hetland, Jr., Manhattan; Raymond Warner, Abilene; James A. Reid, Clyde; Lloyd T. Smith, Great Bend; Frank D. Werner, Junction City; Cecil R. Siebert, Pretty Prairie; Solon D. Fisher, Kansas City.

Richard B. Parker, Leavenworth; Otto H. Trechter, Jr., Hoisington; Charles V. Jakowatz, Kansas City; Duane L. Sawhill, Glasco; Harold R. Volkmann, Lyons; James S. Machen, Abilene; Patrick W. Riney, Junction City; Sivert T. Thompson, Delia; Glenn C. Barnegrover, Kingman; John W. Campbell, Smith Center; Phillip H. Bircher, Kanopolis; Harold L. Davison, Leavenworth; William R. Guthrie, Kansas City; Harold E. Staadt, Ottawa; John R. Lewis, Mansfield, Pa.; Wesley E. Copeland, Kansas City; Ralph E. Krey, Zenith; Robert O. French, Hanover; William H. Luttgen, Wichita.

Division of General Science—Zelma M. Finn, Great Bend; Donald P. Richards, Manhattan; Bettie Jeanne Brass, Wilmore; Charles S. Holtz, Manhattan; Carl W. Gugler, Woodbine; Margaret Anne Massengill, Caldwell; Virginia L. Suddarth, Great Bend; John Robinson Fuller, Salina; Virginia L. Green, Kansas City; Chester E. Peters, Valley Falls; Donald L. Timma, Manhattan; Douglas S. Chapin, Manhattan; Melbadine Greathouse, Wellington; Ann E. Dueser, Chase; Edith Jean Werts, Smith Center; Richard W. Carlgreen, Concordia; Virginia Sitterley, Manhattan; Joseph F. Fulton, Webber; Charles D. Stumpff, De Soto; Nanette Todd, Ft. Riley; Elaine A. Rohrer, Abilene; Beth K. Emmert, Manhattan.

INCLUDE 24 HOME ECS

Stanley M. Knedlik, Hanover; Wanda E. Rector, Lincoln; Patti Muller, Manhattan; Phil Roger Smith, Manhattan; Phyllis Jones, Sedan; Philip D. Montgomery, Riverside, Ont.; Charles A. Brownrigg, Welda; Dorothy M. Albertson, Miltonvale; Elizabeth N. Reed, Lyons; Dorie Mae Knuth, Herington; Barbara Anne Millhaubt, Wichita; Margaret Reissig, Topeka; Helen R.

Dahl, Manhattan; Jo Ann Schmidt, Junction City; Emory M. Wright, Salina; Matilda Jeannette Coons, Canton.

Division of Home Economics—Emma L. Thomas, Hartford; Nan L. Sperry, Overland Park; Marjorie L. White, Soldier; Martha R. Eck, Galva; Luella E. Reed, Circleville; Romola I. Winter, Sublette; Clara Jo Fair, Topeka; Anna M. Dexter, Washington; Maxine Estey, Langdon; Harriett E. Holt, Ellsworth; Mary Margaret Cawood, Wetmore; Jean A. Babcock, Manhattan; Audrey L. Anderson, Gypsum; Elizabeth Richmond, Mission; Maryjean Johnson, Ellsworth; Verna L. Book, Chapman; Ruth M. Meacham, Lorraine; Mary Margaret Bishop, Haddam; Ava Carol Hoppes, Caldwell; Lena L. Humphrey, Hoisington; Lela R. Nye, Manhattan; Virginia E. Saathoff, Manhattan; Esther W. Emmons, Lenora; Virginia Blanche Parsons, Manhattan.

AUTOPSY FAILS TO REVEAL CAUSE OF STUDENT'S MYSTERIOUS DEATH

Joe Potter, 17, Garden City, Collapses in Aggleville and Dies Few Minutes Later

An autopsy performed Sunday revealed "nothing definite" concerning the cause of the death of Joe Potter, 17-year-old Kansas State College freshman who died Saturday afternoon a few minutes after he apparently collapsed in Aggleville.

Coroner W. H. Clarkson admitted that "it is decidedly unusual that so many tests on the youth's body should reveal nothing definite."

The only clue which thorough investigation has revealed thus far is that "his left lung did not appear to be quite normal." Microscopic tests are being made, the coroner announced, to determine whether Potter's death might have been due to pulmonary thrombosis (a blood clot in a pulmonary artery).

It was first thought that the youth, an architectural engineering student from Garden City, might have died as the result of injuries sustained when he fell to the sidewalk. However, Doctor Clarkson disclosed that X-rays had failed to reveal any evidence of skull fracture. A vertebral fracture is a "possibility," Doctor Clarkson said, adding, however, that it was improbable. X-ray pictures are being sent to a Kansas City specialist for further examination.

The coroner discounted the possibility of any toxic condition of the youth's stomach, but said that chemical analysis will settle any question in that regard. No evidence of any sort of heart ailment was found in the examinations.

It is not expected that anything further concerning the cause of Potter's death will be known for several days, during which time complete microscopic and chemical tests will be made.

WESTINGHOUSE RESEARCH MAN SHOWS USES OF ELECTRICITY

Dr. Phillips Thomas Talks Before Science Groups in Physical Science Hall

Dr. Phillips Thomas, travelling research engineer for the Westinghouse Electric and Manufacturing company, lectured to a capacity throng in a Physical Science hall auditorium Thursday night on "Electricity at Work."

Doctor Thomas and his assistants showed how electricity was used to detect flaws in tempered steel and how a floating neon light marker could be used to light a landing place for seaplanes. The engineer also showed uses that might be made of the "electric eye," including detection of fires.

The meeting was jointly sponsored by the Science club and Sigma Xi, scientific fraternity.

Compete in Grain Contest

Members of the College crops judging team represented Kansas State College in the National Collegiate Grain Judging contest at Kansas City Monday. The team also will compete with other college teams in the Intercollegiate Crops Judging contest in Chicago November 28 and 29. Men on the team are Raymond Heitman, Dellvale; Murray L. Kinman, Manhattan; Floyd W. Smith, Shawnee; and Robert Wagner, Garden City. Prof. J. W. Zahnley of the Department of Agronomy is coach. Prof. C. D. Davis of the same department is assistant.

WILDCAT FOOTBALL TEAM WINS FIFTH PLACE IN SEASON WHICH HAS THRILLS AND TEARS

Collegian Sports Editor Reviews Victories and Defeats of Kansas State Squad That Beat Nebraska and Then Lost to University of Kansas

By JACK E. JAMES
Sports Editor, Kansas State Collegian

The Kansas State Wildcats wound up their Big Six conference football season last Saturday in fifth place as the underdog Iowa State Cyclones held them to a 12-12 score.

Playing in below-freezing weather on the Iowa State home grounds at Ames, the Wildcats, who gained a mid-season peak of strength to cut down the University of Nebraska Cornhuskers and the Gamecocks from the University of South Carolina, were unable to push over the extra counter needed to win the game.

TIE WITH FT. HAYS

The Wildcats began their season with a 0-0 tie game with the Ft. Hays State Tigers in what was believed to be a "warmer" game, and started conference play two weeks later with a devastating 35-0 loss to the University of Missouri Tigers.

The following weekend the Wildcats entertained a strong group of Oklahoma Sooners in Memorial Stadium. Though showing improvement over former performances, the team again finished the game on the short end of the 16-0 score. A two-week layoff gave the Wildcats a chance to heal all injuries and to work extensively on defenses against the plays of the perennial Big Six champions, the University of Nebraska Cornhuskers.

The Nebraska game was a complete surprise to hundreds of Kansas State rooters as well as to Nebraska supporters. Showing a spark never revealed until then, the Wildcats rolled over the touted Nebraska eleven for 12 points while holding the Huskers to a single touchdown.

Mike Zeleznak, a sophomore quarterback from Kansas City, made gridiron history that day when he scampered through the Nebraska line, dodged the secondary and ran 66 yards for the Wildcats' first touchdown of the year. Later in the game, Zeleznak alternated at ball carrying with Lysle Wilkins, Delphos, fullback, to run the ball in successive line plays to the Nebraska one-yard line, from which he plunged over for the second counter.

BEAT SOUTH CAROLINA

The following Saturday, in an inter-sectional clash, the Wildcats again upset the dove bucket when they held the South Carolina Gamecocks, one of the strongest teams in the Southern conference, to a minus six yards from rushing while rolling up 115 of their own. The only Wildcat score came in the fourth quarter when Earl Williams, Dodge City, kicked his second field goal of the year.

On November 15, an over-confident group of Kansas Staters invaded the University of Kansas stadium at Lawrence and played the Jayhawks through 60 minutes of score-packed football to lose 20-16. The passes of Ralph Miller, Jayhawk quarterback, fell true for consistent and long gains.

The Iowans, cellar team of the Big Six, led the Wildcats in scoring most of the way last Saturday and held them to a 12-12 tie score at the end of the game. A pass play in the second quarter gave the Cyclones a 6-0 lead, which was broken early in the third period when Zeleznak dashed 57 yards to the Iowa one-yard line

from which Lysle Wilkins drove over to tie the score.

Royal Lohry, junior Cyclone, took the Kansas State kickoff after Wilkins' counter and raced 90 yards downfield for another touchdown, giving the lead to his teammates again. Then the Wildcats began their driving tactics, scoring when Zeleznak threw a touchdown pass to end Zeno Berger, San Diego, Calif., from the five-yard line.

Next Saturday, the Wildcats finish their 1941 season with an inter-sectional contest with the University of Arizona Wildcats at Tucson, Ariz.

FIVE JOURNALISM GRADUATES DOING PUBLIC RELATIONS WORK WITH ARMY

Lt. Richard J. Cech Is Latest to Receive Appointment; Is Named to Post at Camp Hann

The recent appointment of Lt. Richard J. Cech to the post of public relations officer of the 217th Coast Artillery regiment, Camp Haan, Riverside, Calif., brought to five the number of College journalism graduates who have received commissions for public relations work in the United States army.

Lt. Max Besler, '37, and Lt. George Hart, '37, have been assigned to the War Department's bureau of public relations in Washington. A graduate of 1940, Lt. Al Makins, is assistant public relations officer at Ft. Riley, and Lt. Allan Settle, '37, is doing public relations work at Boling Field, Washington.

An "adopted graduate" of the department—Capt. Sam Thackrey, Jr., who received a bachelor's degree in general science in 1925, but who took considerable journalism work and served as managing editor of the Kansas State Collegian—is public relations officer for the Fifth Corps area, with headquarters at Ft. Hayes, Columbus, Ohio. He is former editor of the Columbus, Ohio, Citizen.

Lieutenant Cech, who received his degree in journalism last summer, was employed as advertising salesman for the Manhattan Mercury-Chronicle. He had been assistant editor of the Morning Chronicle.

BOB GAHAGEN, MANHATTAN, NAMED BUSINESS MANAGER

Student Publications Board Does Not Fill Royal Purple Vacancy

The Board of Student Publications Tuesday selected Bob Gahagen, Manhattan, as business manager of the Kansas State Collegian for the rest of the fall semester.

Collegian business managers customarily are elected for terms of not more than one semester, but may reapply for their positions for another semester. Gahagen has been serving as acting business manager, during recent weeks.

The board voted not to fill the position of business manager of the Royal Purple, also vacated because of infraction of the scholastic eligibility rules, for the rest of the 1941-1942 College year, and authorized the graduate manager of student publications and the editor of the Royal Purple to employ student assistants out of the funds normally available for the salary of the business manager, to do the work normally done by the business manager.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Any attempt to control prices which omits any products or services that are of major importance in the markets of today seems doomed to failure."

The prices of all products are inter-related. All products compete for the consumer's dollar. If more is spent for this, less is available to spend for that. As demand shifts from one thing to another, prices change. An advance in the price of automobiles tends to shift purchasing to radios or washing machines or to some other product whose price may not have advanced. As purchases of the other products increase, their prices tend to advance.

Also, there is competition among products for labor, capital, and land

to use in their production. If the price of one product advances, more can be paid for the land, labor, and capital used in its production. Producers of other products must meet the competition and find their costs rising. As a result, prices of their products tend to rise.

In these ways the prices of all products are inter-related. Any attempt to control prices which omits any products or services that are of major importance in the markets of today seems doomed to failure.

Professional entertainers on the program were Lt. Andrew White and Pvt. Scott Watson of Ft. Riley, who sang and played between acts but did not compete for prizes.

WILDCAT BASKETBALL SQUAD PREPARES FOR TOUGH SEASON

EIGHT NON-CONFERENCE GAMES BEFORE CHRISTMAS

Coach Jack Gardner Sends Four Veterans and One Sophomore Against Freshmen in Initial Contest

Coach Jack Gardner and his College basketball squad are busy preparing for a tough 1941-42 schedule which calls for eight non-conference games to be played from Manhattan to Seattle, Wash., December 4 through December 23.

The Big Six conference quintet will entertain Doane college, Colorado State and Washburn in four games here before leaving on a trip to the Northwest to meet Washington university and Washington State college at Seattle, Montana university at Missoula, and Montana State at Bozeman. Washington State was runner-up in the N. C. A. A. tournament last March.

VARSITY PLAYS FRESHMEN

Coach Gardner named four lettermen and one sophomore to start for the varsity in the annual basketball game with the freshmen Tuesday night.

The starting five included Jack Horacek, Topeka, and Bruce Holman, Pawhuska, forwards; Dan Howe, Stockdale, center; Larry Beaumont, El Dorado, and George Mendenhall, Belleville, guards. Holman was the lone sophomore. Other veterans on the squad include Dean Lill, lettered center from Mt. Hope, and Marion Miller, squadman forward from Topeka.

LOSE FOUR LETTERMEN

It is largely up to sophomores to make up for the loss of four lettermen from last year's team. Among the more promising second year men are Fred Kohl, Kansas City, Mo., forward; Marlo Dirks, Moundridge, center; and Kenneth Messner, Arkansas City, John St. John, Wichita, and Max Roberts, Chanute, guards. Bill Engeland, Sterling, center, and John Bortka, Kansas City, Kan., guard, will report when football season ends.

THE KANSAS STATE SCHEDULE:

Dec. 4—Doane college at Manhattan.
Dec. 10—Colorado State at Manhattan.
Dec. 11—Colorado State at Manhattan.
Dec. 15—Washburn college at Manhattan.
Dec. 19—Washington at Seattle.
Dec. 20—Washington State at Seattle.
Dec. 22—Montana at Missoula.
Dec. 23—Montana State at Bozeman.
Jan. 6—Nebraska at Lincoln.
Jan. 10—Oklahoma at Norman.
Jan. 17—Oklahoma at Manhattan.
Jan. 24—Kansas at Lawrence.
Feb. 2—Nebraska at Manhattan.
Feb. 9—Iowa State at Manhattan.
Feb. 14—Missouri at Columbia.
Feb. 21—Missouri at Manhattan.
Feb. 27—Iowa State at Ames.
Mar. 3—Kansas at Manhattan.

SIGMA ALPHA EPSILON AND MAGICIAN WIN AGGIE POP COMPETITION PRIZES

Fraternity Presents "Caucasian Holiday" While Richard Checksfield Mystifies Audience

Sigma Alpha Epsilon and Richard Checksfield, Topeka, won prizes offered in the Aggie Pop competitive program Friday and Saturday nights.

Judges of the annual YWCA sponsored stunt show found Sigma Alpha Epsilon's "Caucasian Holiday" the best act in the organization competitive group. This act was set in a Russian tavern in which fraternity members, dressed in Russian costumes, sang Russian songs. Soft lighting helped make effective the transition from gaiety to worship. For having the best long act, the fraternity received a silver loving cup.

Richard Checksfield received \$10 for having the best individual act. He mystified his audiences by pulling a rabbit out of a bunch of silk scarfs, making cloth from milk and lifting a goose out of a silver roaster.

Other acts presented during the program were Kappa Kappa Gamma's representation of a typical evening spent in a small town park during a band concert, Chi Omega's depiction of "Night and Day" and Sigma Nu's satire on radio serials.

Betty Horton, Topeka, and Peter Ruckman, Topeka, competed for the individual prize. Miss Horton, as a European refugee, imitated farm animals and such radio characters as Baby Snooks and Bonnie Baker. Ruckman drew caricatures of Hitler, Mussolini and Roosevelt.

Professional entertainers on the program were Lt. Andrew White and Pvt. Scott Watson of Ft. Riley, who sang and played between acts but did not compete for prizes.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, December 10, 1941

Number 12

WILLIAM ALLEN WHITE TRACES KANSAS GROWTH FOR MAGAZINE

REGIONAL WRITERS AND ARTISTS FEATURED IN PUBLICATION

Emporia Editor Says State Now In
"Fifth Reich" Phase of Its Develop-
ment; Special Section Shows
Handicraft Work

A biographical sketch of the personality that is Kansas—with a fear of what may happen to her character in the next decade, but some hope for her ultimate salvation—is given by William Allen White, Emporia editor, in the 1942 Kansas Magazine, out today.

The article, entitled "Kansas on the Move", is included in the magazine, published by the Kansas State College Press. The literary and art magazine is devoted exclusively to the work of Kansans and former Kansans.

TRACES KANSAS' GROWTH

Mr. White traces the development of Kansas from the turbulent fifties and sixties, with their "droughts and grasshoppers and bloody massacres," through four other phases of Kansas history: (1) a boom period, of borrowing by the millions; (2) the desolation phase, the collapse of the land boom in the nineties; (3) the reopening of Kansas after "western Kansas discovered winter wheat", with a recurrence of the borrowing orgy and "the same old hereditary sour stomach" and (4) the Kansas of today, the "Fifth Reich of Kansas," with its war industries and its "poor houses abandoned and its paupers pampered with pensions."

"Now," writes Mr. White, "we are standing on the threshold of a new day. We are about to see a social, economic and political miracle. And let us pray to all the gods at once that it will come gently and not with revolution, catastrophe and debacle."

Although his ultimate faith in Kansas appears to be unshaken, Mr. White writes, "I am dreadfully afraid as we enter this unfolding fifth decade of the century . . . the young Kansans may say at the end of the next decade: 'I have seen the devil pass down this road. I have smelled the sulphur on his breath'."

MANY FICTION WRITERS

Authors who have contributed to the magazine, in addition to Mr. White, include Carleton Beals, author, traveler and native Kansan; Avis Carlson, Washington, D. C., formerly of Wichita; C. L. Edson, Topeka; Kenneth Davis, Manhattan; Gertrude Pearson, Lawrence, formerly of Cunningham; Mrs. May Williams Ward, Wellington; Everett Rich, Emporia, author of a recent best-selling biography of Mr. White, and Rea Woodman, Wichita.

Non-fiction contributors new to the magazine this year include Edith Benninghoven, Strong City; Henry Ware Allen, Wichita; Henry L. Carey, Dodge City; Margaret Craver, Wichita, and Carrie McCord Roper, Manhattan. Fiction writers include Ester L. Holcomb, Dodge City; Blanche M. Irving, Haviland; Irma Wassall, Wichita; Edythe Squier Draper, Oswego, and Helen McCarroll, Manhattan, formerly of Hutchinson.

SPECIAL HANDICRAFTS SECTION

A special photographic section will show work in handicrafts by Kansans. Prof. John Helm, Jr., Manhattan, art editor, was assisted by Miss Craver, metal craftsman whose photograph appears on the cover.

The traditional poetry anthology and book review section are included. Prof. R. I. Thackrey, head of the Department of Industrial Journalism and Printing, is editor.

Faculty Dancing Club Party

The Faculty Dancing club will entertain with its first party of the year December 15 at Recreation Center. Mrs. W. E. Gibson, chairman; Mrs. Hal Eier, treasurer; Mrs. R. J. Doll, Mrs. Aimison Jonnard and Mrs. A. H. Zink are members of the committee on arrangements. All faculty members and graduate assistants have been invited.

Mrs. West's Mother Dies

Mrs. Lucy Brooks, 83, mother of Mrs. Bessie Brooks West of the Department of Institutional Management, died November 17 at San Leandro, Calif.

REDUCTION IN FUNDS AVAILABLE HITS APPROXIMATELY 300 NYA STUDENTS

Assistant Dean M. A. Durland Announces Cuts in Allocations to College

Some 298 College students will be affected by the withdrawal of funds for the National Youth administration, said Assistant Dean M. A. Durland, Kansas State director of the NYA.

The federal director of the budget decided that funds would be withheld. The decrease of 20 percent for Kansas has cut the funds for Kansas State College from \$35,000 to \$28,000. The College NYA payroll was \$4,880 in October. Beginning December the payroll for each month cannot exceed \$2,700.

The local situation has been taken care of by (1) the reduction of the monthly allotment of hours immediately for all students, (2) dropping those students who have been appointed work since registration from the NYA payroll at the end of the payroll month on December 20, (3) the termination of all present appointments to NYA work on January 20. At that time new applications will be accepted from all present employees and as many appointments made for second semester work as available funds will permit.

As a much larger payroll is set up normally for first semester than for second the number of employees will be half the number employed first semester.

MANY GRADUATES AND FORMER STUDENTS IN WAR ZONE AS COLLEGE HEARS OF JAPANESE ATTACKS ON HAWAII

Fliers Here Are Grounded By Federal Precautions

CAA CURB ON FLIGHTS GROUNDS TWO ON EMERGENCY FIELD

Ellis K. Boldra, Mechanical Engineering Sophomore, Is First Wildcat Volunteer After Bombings

Ramifications of the war against Japan affected the College, its students and faculty members even before the United States Congress officially recognized a state of hostilities.

Monday morning, students enrolled in the Civilian Pilot Training program were indefinitely grounded because of an order from the Civil Aeronautics administration requiring all private planes be kept on the ground and that only commercial planes were to be allowed to take to the air.

ONE STUDENT ENLISTS

Two Kansas State students were making their required cross-country flights when the order came through to ground all planes. They landed at an emergency landing field near Lebo, Kan., and were required to leave their planes at the field.

The first Kansas State College student to enlist in the United States armed forces after the start of hostilities was Ellis K. Boldra, a sophomore in mechanical engineering from Manhattan. He enlisted in the army at the Topeka recruiting office Monday.

DEFENSE WORKERS TRAIN

All men students who are eligible for service under the selective service

(Continued on last page)

Martha Kramer in China

Dr. Martha Kramer, former member of the College faculty, is with the Yenching university and is believed in Peiping, China.

JAPAN'S GREAT PROBLEM REMAINS CONQUEST OF CHINA—PARRISH

History Professor Says Oriental Nation Would Do Anything to Bring Chinese into Empire

By FRED L. PARRISH

Professor, Department of History and Government

Japan's big problem has been, and still is, the conquest of China and her incorporation within the Japanese empire. Japan would do anything on earth to bring that about. And, it appears, she would even jump upon the United States and Great Britain if they stand in the way. The conquest of China is her big dream, although admittedly still far from realization after four years of costly war.

Japan has not given up this main objective and does not intend to give it up. China's teeming millions and great resources, once under Japanese control, would be ample reward to the imperial, industrial, feudalistic empire of the Rising Sun.

Because of her notorious covenant-breaking, especially since 1931, Japan today does not have left a single sincere friend among the powers of Asia. Setting an example later followed by Germany, Japan violated one international commitment after another, until her relations with foreign powers were in an irreparable state. She violated her Nine-Power Treaty obligation, the covenant of the League of Nations (the first to break ranks), the Kellogg-Briand pact, naval limitations, and solemn obligations in treaties with China.

Without warning she pounced upon Manchuria in 1931; and without warning she set off the "China incident" or war in 1937.

As the war in China did not succeed she could not afford to be without friends if they could be found. She was determined that the China war should be brought to a successful conclusion.

Indecision could have dragged on had not the war in Europe eventually had its effect. Japan joined the Axis, the United States lease-lend aid developed, and the United States instituted an economic pressure upon Japan that proved a big blow. Oil, gasoline and scrap iron and other materials were shut off. The British and Dutch followed suit. British and American aid started flowing over Burma road.

If Japan attempted to go and seize materials in the Indies, she would find herself flanked by Hongkong on the one side and Manila on the other, and there was little chance for Japan's axis partners to aid her very much. So it seems, fast nearing the end of her tether, she decided to break loose. She resorted to measures which aimed in the direction of salvaging the China incident. She resorted to the expedient of changing her cabinet officials a half dozen times in the past two or three years, but each cabinet was unable to pull the reluctant rabbit out of the imperial hat. Finally a group gained power which acted.

Whether Premier Tojo's cabinet have a hari-kiri complex and will carry it out on cabinet and empire, remain matters for speculation, or the future. But it is possible that the Japanese government can see a ray of hope in their nuisance value in the Pacific area to detract the United States and Britain enough to let Hitler win in Europe and move east to aid in the Japanese effort to establish the "New Order." Our American policy in the past has been to maintain the balance of power. We have preferred to see both China and Japan independent and free and strong, and to see that we remain friendly to both.

AT LEAST 40 SCHOoled HERE REPORTED WITH FORCES ABROAD

TWO BRIGADIER GENERALS IN ARMY ATTENDED KANSAS STATE

Ten Officers Are Believed Near Honolulu When Bases There Bombed; 10 Others May Be in Philippines

At least 40 graduates and former students of Kansas State College are known to be stationed with American armed forces outside the nation's boundaries, according to records of the College Alumni association. Others are in civilian capacities in possible or actual danger zones.

Ten Kansas State College graduates and former students are reported to have been with the armed forces stationed in Hawaii when the Japanese fired on United States bases there Sunday. Ten others were said to be in the Philippines.

TWO IN HIGH RANKS

Two graduates have major assignments in the nation's defenses. Brig.-Gen. Glen E. Edgerton, M. E. '04, Prof. in Engrg. '16, is commandant of the vital Panama Canal zone. Brig.-Gen. Alden G. Strong, E. E. '11, who was only recently promoted to his high rank, is commandant of the United States forces in Bermuda.

Eleven graduates are in the Panama Canal zone; six in Alaska; two each in Bermuda and Puerto Rico and one each in the British West Indies and the Virgin Islands.

Those with armed forces in Honolulu or other parts of Hawaii include Capt. Wayne Otto Kester, D. V. M. '31; Lt. Hyatt Lynn Davidson, f. s. '40; Capt. Harry Clinton Sawin, E. E. '32; Capt. James W. Schwanke, E. E. '30; Lt. John Babcock, E. E. '41, son of Dean Rodney W. Babcock of the Division of General Science; Ensign Arty W. Clark, f. s. '27; Capt. Karl Frank, f. s. '23; Lt. Arthur Farrell, f. s. '40, and Ralph G. Hendrickson, M. E. '35, rank unknown. Maj. Charles R. Welsh, E. E. '08, is warden of the Oahu prison at Honolulu.

WITH ENTOMOLOGY BUREAU

Chester B. Keck, G. S. '27, is with the United States Bureau of Entomology at Honolulu.

Stationed in the Philippine Islands are Maj. Wesley Watson Bertz, D. V. M. '30; Lt. Raymond Charles Lane, Arch. '24; Lt. Lester Peterie, C. E. '40; Capt. Albert A. Roby, Jr., D. V. M. '35; Capt. Alvin W. Hamilton, E. E. '27; Capt. Paul Pearson, B. A. '31; Lt. Glenn Boes, C. E. '39; Lt. Lewis Turner, f. s. '41; Lt. David Van Aken, f. s. '41; and Maj. Vern C. Hill, D. V. M. '25.

College graduates in the Panama Canal Zone include Lt. William W. Bell, G. S. '40; James D. Mayden, G. S. '35, reserve officer in air corps; Lt. Ward Haynes Shurtz, C. E. '36; Lt. William P. Simpson, C. E. '34; Lt. Perry F. Wendell, Arch. '38; Aaron J. Lane, C. E. '38, junior engineer, U. S. Army; Leonard M. Lovejoy, C. E. '36, highway engineer; Raymond K. Hoeferer, Arch. E. '32, construction engineer, quartermaster corps; Lt. Velmar W. McGinnis, D. V. M. '33; Lt. Calvin McVeigh Jenkins, G. S. '40; and Howard O. Parker, E. E. '13, rank unknown.

SIX OFFICERS IN ALASKA

Those graduates with armed forces in Alaska are Lt. Walter Eugene Burrell, M. E. '40; Lt. Fred Morton Crawford, Ag. E. '38; Lt. Ovitt M. Wells, E. E. '34; Capt. Donald Clifford Kelly, D. V. M. '35; Lt. Emile F. Kientz, Ag. '39; and Lt. William G. Bensing, E. E. '41.

Lt. John Dunham Dietrich, Ag. E. '39; and Harold D. Grothusen, rank unknown, C. E. '28; are in Puerto Rico. Lt. Albert H. Boggs, United States Navy, C. E. '36, is in the Virgin Islands; Paul J. Montgomery, C. E. '41, civilian engineer, in the Bermuda Islands; and Lt. Russell C. Buehler, C. E. '39, in Trinidad, British West Indies.

COLLEGE ZOOLOGISTS USE X-RAYS IN UNUSUAL HEREDITY EXPERIMENTS

Using an X-ray machine as a chisel to break off a piece of a chromosome, the inheritance carrying material, of the grouse locust, two Kansas State College zoologists have performed experiments previously done mainly with the drosophila, the fruit fly which is the guinea pig for students of heredity.

Dr. Robert K. Nabours, head of the Department of Zoology; Miss Florence M. Stebbins, research assistant, and the late W. R. B. Robertson, Iowa State University and formerly of the Kansas State Experiment station, reported on their unusual research in the November issue of the Journal of Experimental Zoology.

The Kansas State zoologists have been able to link a common characteristic of an insect with its sex. In the College experiments, a color pattern and sex were linked. That meant that all the female descendants of the X-rayed parent had one color pattern while all of another pattern were males. Previously the color combinations had no relationship with sex.

Zoologists long have known that the genes in an individual's chromosomes had much to do with determining its make-up. The genes carried those factors which it inherited from the parents, whether the individual were a human being or a grasshopper such as the grouse locust. The research workers have used X-rays to bombard the chromosomes so that a portion was broken off and combined with another one of the inheritance carriers.

In the Kansas State College experiments, reported in the Journal of Experimental Zoology, laboratory workers found that the X-rays had blasted off the genes helping to control a particular color pattern and then they were attached to the "x" or sex chromosome.

An idea of the difficulty of the experiment may be obtained when one realizes that if a hen's egg were increased to the size of the earth, then the gene, increased proportionately, would fit handily on a dining room table. The X-rays obviously had to be used as if they were buckshot.

with the experimenters hoping they would be able to break off a piece of the chromosomes, which may be thought of as long "strings" of genes.

Doctor Nabours and his associates reported that the X-rays had a deadly influence on the ability of the treated insects to have offspring. When 291 male grouse locusts were X-rayed, only 88 were productive and they had a total of 283 offspring. The normal or control group of 196 males had 126 productive insects which had 3,588 offspring or nearly 13 times as many descendants as the X-rayed grasshoppers.

Of the 283 offspring from the X-rayed insects, few reached maturity and only one showed the translocation or misplaced genes attached to its sex chromosome. All of the research resolved around the offspring from this one male. The trio obtained nearly 10,000 descendants from this insect, mating and inbreeding so that they studied almost every possibility of combination and inheritance. The research was carried on for at least 12 generations in one line and for 24 generations in another.

Another finding of the zoologists was that the average life expectancy of the X-rayed grasshoppers was less than half that of the normal insects. The average normal life expectancy after maturity was 34 days whereas the X-rayed hoppers lived only an average of 13.6 days after being treated.

The female grouse locust normally has an estimated five per cent more chromatin, or the total material of the chromosomes, than the male. Doctor Nabours and his co-workers found that when the additional material due to the X-ray bombardment was added to the male, the grouse locust had a slightly better chance of survival than when the additional material went to the female. In all cases in which there was an upset or disarrangement of chromosome balance, the grasshoppers failed to live as well as the controls. The males, however, suffered to a less extent than the females.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY Editor
HILLIE KRIEGBAUM, JANE ROCKWELL, PAUL L. DITTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in instalments. Membership in alumni association included.



WEDNESDAY, DECEMBER 10, 1941

AMERICA GOES IN

Ever since Germany invaded Poland 27 months ago the people of the United States have been preoccupied increasingly with the question whether our country would become involved in another World War. The question was answered affirmatively Sunday morning, December 7, when Japan bombed Pearl Harbor.

The Japanese attack was treacherous and unprovoked. It resulted immediately in the unification of American public opinion and in a determination by the people of the United States to prosecute the war to a victorious conclusion. In a brief message delivered at a joint session of Congress at noon on December 8, the President of the United States expressed this determination.

The war is now world wide. It may continue for years. It will require of the people of the United States immense sacrifices and immense courage. It involves the future of civilization. The issue is clear. The war is a conflict between the forces of liberty and decency and the forces of brutality and darkness. No matter how great the price, the forces of liberty and decency must and will win.

COOPERATION'S ROUGH ROAD

From its inception more than a half-century ago, agricultural cooperation in Kansas has traveled a rough and difficult road. It has encountered obstacles in unstable economic and political conditions and in the imperfections of human nature. Some of the major difficulties and their devastating effects during the past quarter-century were discussed informatively by Dr. W. E. Grimes at the recent cooperative conference at Kansas State College. Doctor Grimes used the experiences of Kansas cooperatives during and following the first World War as a basis for suggestions for avoiding a repetition of similar experiences during the present war and its aftermath.

Of 276 cooperative grain elevators operating in Kansas in 1915, only 134 survived to 1936. Casualties among cooperative stores were even greater, comparatively. Of 65 such stores operating in 1915, only one survived to 1936. Various other cooperative enterprises suffered similarly.

Factors in the failure of cooperatives included excessive borrowing, unwise extension of credit, inadequate financial reserves to cushion the shock of falling prices, excessive inventories, refusal to use the futures markets to hedge purchases, and the machinations of promoters. In general, all such factors involve incompetent management.

Too often, Doctor Grimes pointed out, cooperation was regarded emotionally, as a species of "religion", instead of realistically, as one possible method of performing certain economic functions in a businesslike manner. It is to be observed that failures were not confined to cooperative enterprises. Non-cooperative economic enterprises also suffered extensively, and from essentially similar fundamental causes. Economic forces are no respecters of persons or of organizations. To deal with them effectively requires wise and competent management.

It is to be hoped that the lessons of the past quarter-century will not

be lost upon us now that we are in the midst of another world-wide economic and political upheaval.

MUSIC

Two-Piano Recital

The two-piano recital played by Miss Alice Jefferson and Miss Clarice Painter of the College music faculty Sunday afternoon was an admirable example of program-making and artistic performance, enjoyed by far too few people.

Beautifully appropriate to the Christmas season was the first group of numbers from Bach, arranged for two pianos by Saar, Foss and Howe. The bright gayety of the opening "Prelude," the legato tenderness of the favorite, "See what His love can do," and the religious fervor of "It is a true saying," with its arabesque accompaniment to the hymn melody, mounted to a stirring climax. The complete unity of interpretation characteristic of the two-piano work of Miss Jefferson and Miss Painter was exemplified by this group.

"Lindaraja," tone-poem by Debussy in the Spanish manner, began the second group. This delightful picture of Spanish life, both sportive and somber, gave unusual opportunity for contrast between delicacy and dignity, and was enthusiastically received by the audience. Of equal freshness and variety was the series of "Mountain Pictures," by Burleigh. These musical sketches recreate imaginatively the solemnity of towering crags, the ripple of cascades, the dancing melody of the shepherd's song, the drifting clouds so dear to all mountain dwellers, and the ominous mutterings and final crash of the avalanche. The versatility of the two artists was well illustrated by the varying nuances of these compositions.

Two compositions by the master of two-piano music, Walter Arensky, opened the final group of the program. The strong, stately rhythm of the "Prelude, Op. 62, No. 1," was set off by the dreamy undulation of "Le Reve, Op. 62, No. 3," with its rise to dramatic height, descent to the flow of the opening passage, and solemn bell-tone ending. "Ritmo," by Infante, spirited and exciting, climaxed a satisfying and unanticipated program.

Miss Painter and Miss Jefferson pleased everyone by their unsterotyped program selections, their delicate and refined interpretation, and their unified, harmonious execution.—H. E. E.

FOOD, WAR AND PEACE

Food is a whole arsenal of weapons in this struggle for human freedom. It is the driving force behind high production by munitions workers, and top-notch performance and strong morale among soldiers and sailors...

In the day of victory when the nations sit down at the peace table our food stock-piles, ready to be drawn on by the famished people of the Old World, will give great force to our views. For they will show once and for all that democracy builds for the needs of common men.—Claude R. Wickard, Secretary of Agriculture.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

C. R. F. Smith, '23, was publicity man for the Citizens' Committee on Relief and Employment, St. Louis.

Prof. C. E. Pearce of the Department of Machine Design attended a meeting of the American Society of Mechanical Engineers in New York City.

Prof. C. H. Scholer of the Department of Applied Mechanics and Prof. H. E. Wickers of the Department of Architecture were in Washington, D. C., in attendance at Pres. Herbert Hoover's conference on home building and home ownership.

TWENTY YEARS AGO

Sivert Erickson, '20, was with the Division of Animal Pathology and Hygiene of the University of Illinois, Urbana, Ill.

Dean Mary Pierce Van Zile was elected president of the Association of Kansas Deans of Women at the annual convention in Topeka.

David Gray, '14, became assistant professor of animal husbandry at North Carolina State college, Raleigh, N. C. Stanley Coombs, '12, and Earl

SCIENCE TODAY

By LEONE B. KELL

Associate Professor, Department of Child Welfare and Euthenics

The art of child guidance is slowly coming to be recognized as of vital importance in human affairs. Guidance in a broad sense means an understanding of the child's environment and of his interaction with it. It would be enlightening to know through what experiences in infancy or early childhood the seeds of hostility were planted in certain individuals now in control of the lives of their fellow-men.

What body of knowledge has science at present to offer in regard to guiding children? Looking to various scientific disciplines we find evidence in cultural anthropology that human nature is flexible, and in biological science that each individual has inherited constitutional differences. Social science describes the cultural forces causing pressures from without on parents and children.

For example, the Pueblo Indian mother accepts her child's thumb-sucking without question but it is of immense importance that this child walk behind rather than in front of the ceremonial drum. In our culture, a child may walk behind or in front of any musical instrument but thumb-sucking is likely to be regarded as taboo and possibly a threat to one's status as a successful parent.

Serious attempts to analyze the child as an organism interacting with his whole environment have been made only within the last two decades. Social psychology in particular presents useful hypotheses defining personality as one's role in the group, with as many aspects as there are groups in which one has status. To understand any item of behavior it is necessary to comprehend the situation as the child perceives or defines it. To effect changes in the child, we can change the child's position in the situation, we can help him redefine the situation, or we may do all three.

The acceptance of emotion as an important aspect in human behavior is not new in itself but is emphasized by the so-called newer psychology. Parents use this concept negatively but often fail to see its possibilities for positive guidance. Its study has thrown new light on the pressures from within that affect the individual. The process is usually described as follows:

In the business of growing up, every baby necessarily meets frustrations. There may be lack of nursing and cuddling, rigid feeding schedules, and the policy of letting him cry it out. His inner needs, for affection, response, belongingness, sensory gratifications, achievement and recognition, are through the nature of the situation thwarted, often many times a day. As he grows older the satisfaction of many of his wants is delayed or entirely forbidden. He feels insecure, inadequate, hostile, perhaps unwanted, as a result of these thwartings. If he is punished for showing hostility, guilt and fear arise and the hostility is increased. The unacceptable emotions then tend to be withheld or disguised. If withheld, the child may withdraw from normal contacts and build a wall around himself. He may keep feelings down at all costs, because their expression has brought pain, and his spontaneity vanishes. Or, if the feelings are disguised, the results may be evident in physical symptoms or disturbances in bodily functioning; in depressions, fears, timidity, feelings of inferiority

Hostetler, '14, were in the same department.

THIRTY YEARS AGO

Charles Myska, '11, was working on a soil and subsoil survey in Reno county.

Col. Albert Todd, '72, United States Army, retired, and Mrs. Todd were spending the winter in Munich, Germany.

Miss Helen Halm, '08, was in charge of the work in domestic art and Miss Grace Berry, '10, the work in domestic science in the State Normal at San Marcos, Texas.

FORTY YEARS AGO

Dr. J. J. Johnson, '95, was professor of physiology and director of the

and superiority, self-consciousness or perfectionism; in aggression such as quarrelsomeness, intolerance, jealousy, envy, spite and cruelty. Or he may take to comforting devices such as daydreaming, projecting blame, making excuses, or excessive clinging to objects, activities or persons for solace. Any of these symptoms may appear in childhood or later.

The challenge to parents is to pass on the cultural heritage and to help the child learn to conform with as little emotional stress and strain as possible. Parents who keep in mind the fundamental emotional needs give their child plenty of affection, not only when he is "good" but also when he is "bad". They tolerate some expressions of hostility, they say to the child, "Yes, I know you feel that way", and they provide means of release for hostile feelings. They accept negativism as a natural outcome of thwartings and they safeguard the child against demands which are too numerous and too difficult. They set the stage to give the child a sense of achievement. But, someone says, this child will be spoiled. Not at all. Good physical health is built by giving him the food that he needs, not by depriving him of it. Likewise a healthy emotional life is built by supplying the needed satisfactions so that later frustrations can be met constructively and growth can continue. This viewpoint does not imply over-protection or coddling. It is necessary that parents present to their children a firmly ordered world of values.

Acceptance of the importance of childhood experiences in the future development of the individual has resulted in the growth of the preschool movement in education, a movement not limited to nursery schools alone. As recently stated by the National Association for Nursery Education, "Nursery education includes everything that happens to young children."

Evidence is accumulating which shows that it is the entire constellation of socio-cultural items—the family "atmosphere"—that affects child adjustment rather than any single item. Of the factors studied within the family, the marital adjustment of the parents has the greatest weight.

The processes of research in this as in other fields are time-consuming and difficult. The danger is always present that facts will be misunderstood or misused. Some years ago many parents thought they were being "scientific" when they put the baby on a rigid four-hour feeding schedule and left him strictly alone except for necessary physical care. Grandmother's rocking was forbidden, her caresses were suspect, and her cookies were anathema. If Grandmother were here today she would see evidence of vindication of some of her "unscientific" ideas.

An encouraging note in research is the greater understanding among specialists of each other's work. Psychiatrists are increasingly recognizing the influence of cultural factors. Psychologists and sociologists see promise in the newer ways of objectifying the individual's inner experiences.

There is need for a constant search for methods suited to the scientific study of human living. Funds and trained personnel are necessary if, through research and through the application of its findings, science is to contribute its share in building a sound basis for the art of guiding children.

physiologic laboratory in Barnes Medical college, St. Louis, Mo.

C. C. Georgeson, former professor of agriculture here from 1890 to 1897, was special agent of the United States Department of Agriculture in charge of the agricultural experiments stations of Alaska territory.

O. H. Halstead, '95, was teaching mathematics in Platt's Commercial college, St. Joseph, Mo. The institution was conducted by E. M. Platt, f. s., son of J. E. Platt, formerly professor of mathematics at this College.

FIFTY YEARS AGO

Fanny E. Waugh, '91, was teaching in the Menomonie, Wis., high school.

Secretary Graham lectured before

the Riley county teachers at Randolph.

E. H. Kern, '84, took part in the annual meeting of the State Horticultural Society at Beloit. Although surveyor of Jewell county, his chief business was farming.

SIXTY YEARS AGO

James F. LaTourrette, '77, was living in Liberty, N. M.

President and Mrs. Fairchild and Professor Popeno went to Lawrence to attend the regular semi-annual meeting of the State Horticultural society.

At the regular meeting of the Alpha Beta society, the question for debate was, "Resolved, That the jury system should be abolished." Miss Ada Quinby and Mr. Hopper took the affirmative, and Miss Haines and Mr. Willard the negative.

KANSAS POETRY

Robert Conover, Editor

YOUNG AVIATOR AMERICAN AIR FORCE

By Alberta McMahon Sherwin

Here is his home where peace enfolds the earth,
And fragrant lilac scents the April dawn;
Where silence breaks in cardinal's trill of mirth,
As amber dusk forsakes the green lawn.
Toward the heaven my misted eyes are drawn,
As through the clouds I see an airplane slip;
I have his message; well I know what brawn
And courage clothe the pilot of that ship.
"Goodbye till autumn, Mother!" God grant his homeward trip.

Mrs. Alberta McMahon Sherwin was born in Minnesota but has lived most of her life in Kansas City, Kan. She is a member of the Poetry Society of Kansas, the Kansas Authors club, Kansas City Quill club and the Kansas City branch of the National League of American Pen Women. Her book of verse, "Tapers to the Sun," was published in 1939.

SUNFLOWERS

By H. W. Davis

SUNFLOWERS

There's a use for everything.

For many, many years I stubbornly doubted that, but recently I discovered use for a leaky faucet in the bathroom washbowl. So I gave up.

It came about this way. I went to execute my morning shave. There in the washbowl below my eyes was a very definitely dead potted plant under the drip-drip of the left-hand faucet. In all my previous experience I had never beheld any flora so impressively extinct. Glumly I realized the meaning of "dust unto dust."

The flower pot—a one-pint affair—was tilted so as to catch the familiar one-two of that leaky faucet. The soil within had turned to mud and was gently oozing out the hole in the bottom down into the lower U of the trap, there gradually to accumulate and eventually enhance the bloated bank balance of some predatory plumber.

But it wasn't the pot that tore at the citadel of my sympathetic soul—it was the plant. I once met a mummy in the Metropolitan Museum of Something in New York City. He was said to be between three and four thousand years old, and showed it. But he would have looked positively frisky at the side of that plant.

I turned away, all my enthusiasm for shaving gone.

Cautious inquiry revealed that the potted brownie had been placed in the washbowl to effect a miracle. That plant was to know life again—gay, green life. But not only that. It was to become a mother, and bear a beautiful purple flower. The grandeur of Nature was to be vindicated anew.

I turned away a second time, lest I burst out in sobs. In silence I returned to the bathroom and shaved in the tub, while the leaky faucet carried on in gentle, modest manner its glorious miracle of rejuvenation.

One lives and learns, I guess. In spite of all that has been said to the contrary, you can teach an old dog new tricks. The very next time I visit New York I am going to kidnap the mummy, bring him home with me, and stick him under the faucet.

There is a use for everything.

AMONG THE ALUMNI

Dr. Frank Waugh, '91, is recuperating at his home in Amherst, Mass., from a serious operation.

Edwin M. Stanton Curtis, B. S. '93, is general passenger agent for the Gulf, Mobile and Ohio railroad. His home is at 218 Upham street, Mobile, Ala.

Clay B. Ingman, B. S. '97, lives at Washington, Kan. His main occupation now is boosting the cooperative movement.

Maj.-Gen. E. S. Adams, '98, Washington, D. C., was recently delegated to represent Kansas State College at the installation of President Douglass of the American University, Washington, D. C. The inauguration was October 10.

Raymond D. Harrison, Ag. '06, is credit manager for John Deere Plow company, Shawnee, Okla. His residence address is 306 Louisa street, Shawnee.

Arthur W. Kirby, E. E. '08, is a minister in Clarksville, Mo. He writes, "We now have a larger work with four churches—hence are very busy all the time. The parsonage is on the bank of the Mississippi. The surrounding country rivals that of the Ozarks in beauty. Orcharding is the main occupation and this is the land of the Stark Delicious apples, train loads being shipped out of here during the season. Now that the children are all on their own we may have opportunity to get back sometime." Mrs. Kirby was Beulah Icely, f. s. '12.

Melissa Beulah Wingfield, H. E. '14, Molalla, Ore., wrote, "I have travelled in Europe, across Russia, to Siberia, in China, Japan, India, Syria, Iraq and Iran. I lived at the Route d'Epervay, in France. Poor France! What can we do for her, counting upon our friendship so much! I am enrolled for Red Cross Dietetics service and will go soon probably, but am doing some teaching I was invited to do, two weeks after my arrival in America again."

Morgan T. Binney, Ag. '16, is a fruit and vegetable inspector. His address is 201 Produce building, 208 S. Second street, Philadelphia.

C. F. Seiber, f. s. '17, is co-author of an article recently printed in the Petroleum Engineer magazine about the removable type hydraulic jet gun used in acidizing. Mr. Seiber was, for a time, a chemist with the Larabee Flour mills. He took an active part in the first World War, after which he was employed by the Standard Crude Oil Purchasing company. He was a member of the Atlantic Refining company's staff from 1932 to 1936, the latter year he joined the Halliburton Oil Well Cementing company. He is a field representative of the company, making his headquarters at Wichita.

Margaret (Worland) Griffiths, H. E. '18, is a teacher of home economics in the Santa Barbara high school. Her address is 427 E. Anapanner street, Santa Barbara, Calif.

Ray B. Watson, Ag. '21, Route 2, Quincy, Ill., is in the advertising business. He writes that he would like to come back to Manhattan for a real visit of sufficient duration to renew all old friendships. He sent his regards to all the friends who are still here.

Harry H. Connell, C. E. '22, is chief engineer on preparation of plans and specifications for a \$25,000,000 army cantonment. His address is 315 E. Pikes Peak avenue, Colorado Springs, Colo.

Delmar D. Chase, M. E. '23, is an engineer in the planning division of the Detroit Edison company, but at present is in Washington, D. C., working on priorities committee for the Office of Production Management. He and Marjorie (Frankum) Chase live at 13165 Ludlow, Huntington Woods, Mich.

E. L. Misegades, E. E. '24, represented Kansas State College at the inaugural ceremonies for President Schwalm of Manchester college, North Manchester, Ind., November 8. Eighty colleges were represented. Mr. Misegades is employed by General Electric company at Ft. Wayne, Ind. He is editor of the *Engineer News* this year.

H. B. Carter, E. E. '27, recently has been named engineer in the magneto department, Ft. Wayne, Ind. He

started work for General Electric company after his graduation. Since 1928, he has been in the Fractional Horsepower Motor Engineering department in charge of split phase motor design and for the past two years was section engineer for Decatur Works. Mr. Carter is a major in the Coast Artillery Anti-aircraft Reserve and president of the local chapter of reserve officers.

Dr. Glen L. Dunlap, D. V. M. '28, 5726 Charlotte, Kansas City, Mo., is secretary-treasurer of the Kansas City Veterinary Medical association. He participated in the program of the Missouri Veterinary association at Joplin during July by discussing Bang's disease control. He is a veterinarian associated with the Ashe-Lockhart labs.

Eula Morris, H. E. '29, has changed her address to 603 Eighth street, Garden City. She writes, "I am teaching foods and applied design in the Junior college here and two sections of Vocational Homemaking II in the senior high school."

Edwin Habiger, Ag. '30, is farming at Bushton, Kan. He is president of the Rice county farm bureau.

Roy L. Fox, G. S. '31, and Harriet (McConnell) Fox, H. E. '31, have moved to 409 Dorsey avenue, Eastpoint, Ga. Mr. Fox was with the Weather Bureau office at Topeka and is now with the weather bureau at the Atlanta, Ga., airport.

Joe Fickel, M. E. '32, and Elsie (Tempero) Fickel, G. S. '35, visited the campus in October. Their home is at 4905 E. Ninety-Third street, Seattle, Wash. Mr. Fickel is employed by Boeing Aircraft company.

A. C. Hadley, Arch. '33, writes, "The past seven years have been extremely busy ones for me. I am now the head of the art department of the Egry Register company, Dayton, Ohio.

"I have been married seven years and my wife is the former Edith Allison of Altus, Okla. We now have two children Carol Ann, 4, and Arthur Scott, 2, so you see I have two potential students for my Alma Mater."

Mr. Hadley inclosed an issue of the Egry Register of which he is associate editor. Mr. and Mrs. Hadley live on Route 4, Xenia, Ohio.

Lloyd H. Scott, E. E. '34, is chief engineer of Airward Corporation Aircraft magnetos. He and Mrs. Scott live at 34 Wellington road, Garden City, N. Y.

Dorothy Jobling, G. S. '35, is teaching school in Junior high school, Coolidge, Ariz. This is her first year there and she enjoys it very much. She had taught after her graduation at Frankfort, Kan.

Myrtle Morris, H. E. '36, who recently sent in the final payment on her life membership, is a dietitian in the United States Marine hospital, Brighton, Mass.

Robert B. Jaccard, Ag. '37, is field representative of Cargill, Inc., Minneapolis, Minn. His address is 761 Chamber of Commerce, Minneapolis, Minn.

Frederick G. Warren, Ag. '37, is with the Department of Dairy Husbandry, Pennsylvania State college, State College, Pa. He is continuing with graduate work in dairy manufacturing. He was married to Josephine Eleanor Carson on June 7. The wedding took place in the Frances Asbury Methodist church, Washington, D. C. They are living at 320 Hartwick avenue, State College, Pa.

Ben Diamond, G. S. '38, writes, "I'm still at the State Health laboratory, Vermilion, S. D., in the capacity of bacteriologist and research assistant. In a few weeks I may be transferred to the Pierre laboratory to install a bacteriology department. Thus far only serology has been done there."

Victoria Wilson, H. E. '38, is at the Frances Payne Bolton School of Nursing, Western Reserve university, Cleveland, Ohio.

Elizabeth M. Brooks, H. E. '40, Savannah, Mo., said, "I began working in the extension service in Missouri July 21. After spending a few weeks receiving training in Springfield and Warrensburg, I was accepted as home demonstration agent of Andrew county. Marialice Singleton, '39, was here before me."

Betty Bonnell, H. E. '41, has been working as one of Martha Logan's assistants in the test kitchen at Swift and company, Kansas City, Kan., for about three months.

LOOKING AROUND KENNEY L. FORD

Christmas Gifts

The Kansas State College phonograph recording makes an ideal Christmas gift for a classmate or friend. Four College songs for \$1 sent anywhere in the United States. Send check and instructions for mailing to the College Alumni office.

Atlanta, Ga., Meeting

Mrs. Verral (Craven) Wenn, H. E. '15, M. S. '26, has written of the arrangements for a meeting of the Kansas State graduates now in Georgia. The dinner meeting will be 6:30 p. m. Tuesday, December 16, in the Georgia Tech dining hall, Atlanta, Ga.

Graduate Meet at Lynn

Kansas State College engineering graduates in and near Lynn, Mass., met for Thanksgiving, November 20. Dan Longenecker arranged the meeting and Dick Breckenridge sent in the list of those present, including Dan Longenecker, '40, and Al Ewing, '38, both with General Electric at Lynn; Morris Willis, '40, and Dick Evenson, '40, United States Army, Harvard, Mass.; Bert Sells, '41, Robert Lake, '40, Dick Breckenridge, '41, and George Kilian, '41, General Electric, Schenectady, N. Y.

Tucson Meeting Report

Ralph Hawkins, '14, made arrangements for the meeting of Kansas State College alumni at Tucson, Ariz., November 29. Hugh Riddle was the toastmaster at the dinner which was at The Mountain House after the Arizona-Kansas State football game.

Those who registered were C. L. Bell, '37, and Mrs. Bell; A. A. Mast, '30, and Mrs. Mast; Helen Forney, former faculty member; M. Alberta (Wenkheimer) Harris, '09; Mrs. Hazel Beeson MacCready, f. s. '16; W. H. Riddell, former Kansas State College faculty member, and Wilhelmina (Bates) Riddell; Ned O. Thompson, '36, and Mrs. Thompson; Edith (Coffman) Bryan, '06; Ralph Hawkins, '14, and Georgia (Roberts) Hawkins, '15, all of Tucson, Ariz.

Others listed are Dean Rodney W. Babcock, Manhattan; P. L. Raley, Loveland, Colo.; John Brookins Brown, '87, Phoenix, Ariz.; Clarence Eblund, Phoenix, Ariz.; Dr. K. O. Lassen, '36, and Gean (Brandenburg) Lassen, f. s., Phoenix, Ariz.

Amarillo Alumni Organize

Texas Kansas State College alumni in the vicinity of Amarillo organized at a meeting in the Herring hotel, Amarillo, November 26. President is John Ross, '02; Fred Sykes, '26, vice-president; and L. C. Holm, '26, secretary-treasurer. After the meeting, Kenney L. Ford showed movies of the Kansas State College campus.

Those present included:

David A. Reid, '36, and Elsie (Sloan) Reid, '38; William H. Coffman, '30; Lionel C. Holm, '26, and Hypatia (Wilcox) Holm, '27; Dwight Thompson, '34; Kenneth W. Miller, '36; L. C. Whitney and Myrtle (Blythe) Whitney, '15; O. M. Franklin, '12, and Mrs. Franklin; H. B. Evans, '27, and Mrs. Evans; G. R. Vanderpool, '30, and Mrs. Vanderpool, '30; Irvin L. Peffley, '25, and Grace (Curran) Peffley, '24; Ernest I. Chilcott, '27; Mrs. Burnette Michael, f. s.; John F. Ross, '02, and Mrs. Ross; Clara (Nitcher) Bainer, '01; Jean (Pelischek) Nelson, f. s. '36; Nevelyn R. Nelson, '37; Vaughn Combs, '34, and Mrs. Combs; J. S. McCorkle, M. S. '31; Paul McMains, '28, and Mary (Beyer) McMains, '28; Lionel C. Holm, '26; Fred J. Sykes, '26, and Achse (Johnson) Sykes, '26, all of Amarillo, Texas.

Out of town alumni were Ralph O. Lewis, '29, Salina; Esther Sorenson, '27, Lubbock, Texas; Elizabeth A. Cox, '14, M. S. '27, Canyon, Texas; Donald Telford, '30, Borger, Texas; Ira K. Landon, '21, Manhattan; Mary Meyers, and A. M. Meyers, Jr., Washington, D. C.; and S. M. Finney, '24, Portales, N. Mex.

BIRTHS

Lt. Gordon Towner, C. E. '31, and Ruth (Obenland) Towner, G. S. '34, are parents of a daughter, Mary Jane, born November 25. Their home is at 106 Southern boulevard, Wilmington, N. C. Lieutenant Towner is sta-

tioned at Camp Davis, N. C.

E. L. Alter, Jr., I. J. '39, and Hazel (Adams) Alter announce the birth of a daughter, Patricia Coleen, October 25. They live at 205 W. Tenth street, Hutchinson. Mr. Alter is employed by the Hutchinson News.

TAXES, GIFTS AND THE COLLEGE

By W. E. GRIMES

Interest in gifts to further education is increasing in the United States. Higher income and defense taxes are causing many persons to consider whether they are to determine the uses to be made of their incomes or whether these incomes are to be taken by the federal and state governments for governmental spending. The right of the individual to make some choice in this matter is recognized in income tax legislation. The individual has the privilege of deducting not more than fifteen percent of his net income provided he has made gifts to that extent for the purposes indicated in the law. Gifts to corporations organized and operated exclusively for educational purposes are included among those that may be deducted.

This gives the individual an opportunity to use a portion of his net income to further the types of activities in which he is most interested. By so doing he can place emphasis on activities that are in harmony with his views.

The Alumni association of Kansas State College has been recognized as an educational corporation of the type specified in income tax legislation. Gifts to the library fund, the loan fund, or for other activities of the Alumni association may be deducted from net income in determining income for taxation purposes. Advantage has been taken of this opportunity by a number of alumni and friends of Kansas State College. Substantial gifts have been made for the loan fund and the library fund.

Such gifts make it possible for the Alumni association to aid the College by helping to finance needed work and improvements for which present state appropriations are inadequate. Through such gifts, individuals are working with and supplementing the efforts of state and federal governments to provide better educational opportunities for the young men and women who attend state colleges and universities. The one who thinks of the future can find no better way of spending his income. He is helping to mould the pattern of the future by helping the coming generation to learn to think for itself. This use of income is attracting increased interest, and the present and prospective high rates of income taxation are increasing the interest.

RECENT HAPPENINGS ON THE HILL

Staff members of the Division of Home Economics will have their annual Christmas dinner December 17 at Thompson hall. Miss Tessie Agan, of the Department of Household Economics, is chairman.

Lt. Col. M. B. Chittick, representative of the chief of the Chemical Warfare service, discussed "Chemistry in National Defense" at a joint meeting of the Kansas State College section of the American Chemical Society and the American Institute of Chemical Engineers last Wednesday.

Forty agricultural journalism students took a "complete follow-through" of the publication processes of the Kansas Farmer, Capper publication, Friday. Paul Dittemore, instructor in the Department of Industrial Journalism and Printing, and Prof. R. I. Thackrey, head of the department, accompanied the group.

Free airing of gripes without censorship will be the theme of the gripe session sponsored by Pi Kappa Delta, honorary forensic fraternity, Thursday evening in Recreation Center. Faculty members and townspeople are not encouraged to attend the meeting according to Norman Webster, faculty sponsor.

Wednesday afternoon will see in Recreation Center a display of hobby collections of girls in the Division of Home Economics. The project is being sponsored by the home economics freshman council groups, who have made a survey of Kansas State College girls' hobbies. Perfume bottles, kangaroos, clay models, and charcoal baby pictures will be among the collections on display.

The history of American newspaper reporting of science news is told in a bulletin issued recently by the Department of Industrial Journalism and Printing. Hillier Kriegbaum, associate professor, is author of the 73-page publication which cites incidents of science coverage from the first American newspaper, *Public Occurrences*, printed in Boston in 1690, to 1941.

The concert divisions of the Glee clubs, assisted by the College orchestra, will present Johann Sebastian Bach's Christmas Oratorio next Sunday evening in the College Auditorium. To be featured in the program will be a brass sextet, members of which are Ferman Bitter, Hoisington; Marshall Braly, Coldwater; Frank Marshall, Burlington; C. S. Clay, Emporia; William Hall, Coffeyville; and Neil Vanderwilt, Solomon.

CHRISTMAS?? CHRISTMAS?? CHRISTMAS????

We HAVE solved the Christmas Gift problem—

GIVE THE KANSAS MAGAZINE

The Kansas Magazine Publishing association

Box 237

Kansas State College

Manhattan, Kan.

Enclosed is \$..... (check, money order, cash or stamps).

I want (check items below):

copies of the 1942 Kansas magazine at 60¢ (50¢ plus 10¢ postage and tax).

Ten copies of the 1942 Kansas magazine to one address for \$5.00 (including postage and tax).

I want these items sent as gifts.

You may send them directly to me. { check one.

MY NAME AND ADDRESS IS:

Name

Street

Town State

WILDCAT CROPS JUDGES FOURTH AT INTERNATIONAL COMPETITION

LIVESTOCK TEAM IS FIFTH AND MEATS JUDGES TENTH

College Is Awarded \$100 Scholarship for Use of Agronomy Students While Belgian Horse Trophy Comes Here

The Kansas State College crops and livestock judging teams won fourth and fifth places respectively in intercollegiate competition November 29 at the International Livestock exposition at Chicago. The poultry judging team won twelfth place and the meats judges finished tenth.

The crops judges, coached by Prof. J. W. Zahnley, amassed 4,004 points, as against the 4,136 accumulated by the Oklahoma A. and M. team, first-place winner. The University of Nebraska team took second place and Texas A. and M. third. Eleven teams participated.

ROBERT WAGNER SECOND

Robert Wagner, Garden City, agriculture senior, placed second in judging and fifth in the entire contest. Floyd Smith, Shawnee, agriculture senior, was fifth in grading, and Murray Kinman, Manhattan, agriculture senior, was fifth in identification. The other member of the team was Vernon Heitman, Dellville, junior agriculture student.

Kansas State College was awarded a \$100 scholarship as a result of the crops judging team's work. The award money will go into an alumni loan fund for use by agronomy students.

Only 13 points separated the first five teams in the livestock judging contest, in which 28 teams took part. The winners were the University of Illinois, first, 4,452 points; Oklahoma A. and M., second, 4,441; Iowa State college and the University of Missouri, tied for third, 4,440, and Kansas State College, fifth, 4,439.

COLLEGE WINS TROPHY

Kansas State College won the Belgian horse trophy.

Frank Marcy, Milford, agricultural administration senior, was eighth individual in all classes. Calvin Doile, Emporia, agricultural administration senior, was third in judging horses. Other members of the livestock judging team, coached by Prof. F. W. Bell, were Conrad Jackson, agriculture senior from Elsmore; Oscar Norby, agricultural administration senior from Pratt; Harold Peterson, animal husbandry senior from Bridgeport, and George Wreath, animal husbandry senior of Manhattan.

A. E. SCHUMACHER IS COACH

The University of Missouri team won first place in the poultry judging contest against 13 other teams. The Kansas State College judges placed sixth in both production and exhibition classes. Theodore Levin, Agra, agriculture senior, was seventh individual in the entire contest. Other members of the poultry judging team, of which Prof. A. E. Schumacher is coach, were Edward Buss, Holton, agriculture junior, Myron Hornbaker, Hutchinson, senior agriculture student, and Donald McWilliams, Quinter, agriculture sophomore.

The meats judging team, under the direction of Prof. D. L. Mackintosh, placed tenth in competition with 13 other teams in the intercollegiate contest at Chicago.

TWO WILDCAT FOOTBALL PLAYERS NAMED ON ALL-CONFERENCE TEAMS

Barnhart, End, Put on Two Selections and Lysle Wilkins Recognized by Parke Carroll

Two members of the Kansas State football team were named on all-conference teams picked by midwestern sports authorities at the close of the regular playing season.

Frank Barnhart, senior end from Ft. Riley, made two lists. C. E. McBride, sports editor of the Kansas City Star, picked Barnhart, as did the sports writers of the United Press.

Lysle Wilkins, fullback from Delphos, another senior, was picked as the best fullback in the conference by Parke Carroll, sports editor of the Kansas City Journal and a well-known official.

Two other members of the Wildcat squad, John Hancock, St. Francis, and Ed Huff, Marysville, were consistently picked on the second team of the all-conference lists.

The University of Arizona defeated the Wildcats 28 to 21 in the game at Tucson.

Have Played Last Football Game for Wildcats



Ten members of the Kansas State College football squad played their final game in Wildcat uniform November 29 when they met the University of Arizona at Tucson. They are: Ed Huff, Marysville, guard; John Hancock, St. Francis, center; Norbert Raemer, Herkimer, tackle; Frank Barnhart, Ft. Riley, end; Dick Peters, Valley Falls, tackle; Ray Rokey, Sabetha, quarterback; Kent Duwe, Lucas, fullback; Max Timmons, Fredonia, halfback; Lysle Wilkins, Delphos, fullback. Bill Cook, Manhattan, center, is not in the picture.

RADIO STATION KSAC WILL PRESENT DRAMATIZATION OF WRIGHTS' FLIGHT

Thirty-Minute Program to Be Put on Air at 5 P. M. Next Wednesday by Students

Commemorating the anniversary of the first sustained flight of a power-driven heavier-than-air flying machine, the College's radio station KSAC will broadcast a 30-minute dramatization of the famous Wright brothers' revolutionary invention, on next Wednesday, December 17, at 5 p. m.

The broadcast will be directed by Don Landis, graduate assistant in the Department of Public Speaking, and Prof. H. M. Heberer, instructor of radio program courses in public speaking.

The cast will include students in radio courses. Jim Chapman, KSAC announcer, will supervise the presentation.

Similar programs are being presented on many other stations throughout the country on this date.

Smith Talks of Insects

Dr. Roger C. Smith, professor of entomology, told the Weather Crops seminar at the University of Kansas Saturday that Kansas' nutritious native plants naturally serve as a harbor for most of the serious insect pests of the North American continent.

FACULTY CHANGES APPROVED BY STATE BOARD OF REGENTS

Elmer H. Smith Employed to Serve During Lévee of Harold E. Stover

Two faculty changes including one appointment and one resignation, have been announced by Pres. F. D. Farrell after approval of the State Board of Regents.

Elmer H. Smith has been employed as instructor in agricultural engineering, Division of Extension, effective November 20, to serve during the leave of absence, for military service, of Harold E. Stover.

The resignation of Mrs. Lola Mae Gibson, assistant to the dean and director of the Division of Extension, has been accepted effective November

FARMERS AND STOCKMEN WILL MEET HERE TO DISCUSS WAR PRODUCTION

Kansas Feed Conference to Discuss Methods to Meet Demands for Increased Livestock, Poultry

Kansas farmers and stockmen will gather on the campus Thursday and Friday to attend the Kansas Feed conference, sponsored by the College and the State Department of Agriculture.

The demand for a quick increase in livestock and poultry production due to the national emergency can be met most quickly through improvement in the methods of feeding, the conference's sponsor said. The program will include discussions of the latest information on feeds and feeding by specialists of the College.

L. E. Call, dean of the Division of Agriculture, will preside at the meeting Thursday morning. Registration will be at 8 a. m. and the rest of the morning session will be taken up with discussions of the nutritive questions arising from present-day feeding methods.

J. C. Mohler, state secretary of agriculture, will be chairman of the Thursday afternoon session, and Pres. F. D. Farrell of the College will welcome the guests at the opening at 1:30 p. m. Speeches in the afternoon will describe improvements in feeding for better beef, dairy and poultry production, by members of the College faculty.

A banquet at the Country Club at 6:30 p. m. Thursday will round out the day's activities.

Prof. C. W. McCampbell, head of the Department of Animal Husbandry, will be in charge of the Friday morning meeting at which commercial feeds, their practicability, and the state laws governing their mixture and sale will be discussed.

F. W. Atkeson, professor in the Department of Animal Husbandry, will preside at the final meeting of the conference Wednesday afternoon. There will be a panel discussion by the staff and audience, and a general summarization of the conference by Dr. J. S. Hughes, professor in the Department of Chemistry.

WILDCATS WIN OVER DOANE, WILL MEET COLORADO STATE

BASKETBALL SQUAD WINS FIRST GAME BY 57-43 SCORE

Team Tallies First and Holds Lead Throughout Second Half of Initial Contest; Coach Gardner Tests Sophomores

With an early victory on record, the Wildcat basketball team prepared to meet Colorado State college in Nichols Gymnasium Wednesday night. The Kansas Staters won their first contest of the season, 57-43, Thursday night over the Doane college Tigers.

Larry Beaumont, junior from El Dorado, started the Wildcat scoring in the first minute of the game when he made good on a free throw after he was fouled by Wayne Weber. A few seconds later, Bruce Holman, sophomore from Pawhuska, scored with a short field goal.

HAVE HALFTIME LEAD

At half-time the score read 26-17 for the Wildcats, and all through the second half the Doane forces were never able to come within six points of the victors' lead.

Danny Howe, Stockdale, Wildcat captain, scored 11 points for the visitors during the game. Jack Horacek, forward, Topeka, and Fred Kohl, Kansas City, Mo., a sophomore playing in his first college game, tied for second place honors on the Kansas State team with nine points each.

High scorer for the game was Wayne Weber, Doane center, who collected nine field goals and two free throws to make 20 points before he was forced to leave the game on fouls.

The initial game gave Coach Jack Gardner a chance to break in a group of the sophomores who will be the mainstay of the Wildcat squad this season. Several times during the evening, the Wildcat coach was playing an all-sophomore quintet.

FIVE LETTERMEN RETURN

Only five lettermen returned as a nucleus for this year's squad and one of them, Dean Lill, Mt. Hope, was ill Thursday night. Holman, who started the game in Lill's place, accounted for six Wildcat points.

Other sophomores, besides Holman and Kohl, who saw action were John St. John, Wichita; Johnny Bortka, Kansas City; Marlo Dirks, Moundridge, and Kenneth Messner, Arkansas City.

Fliers Here Are Grounded BY FEDERAL PRECAUTIONS

(Continued from page one)

act were ordered to report to a general seminar next Thursday at 4 p. m. in the College Auditorium. The meeting is at the request of the National Selective Service headquarters.

Training in the tuition-free courses offered by the government to teach defense workers, is expected to be speeded up in order to train larger numbers of men and women to meet the increase in the demands of industry due to the emergency, according to Prof. W. W. Carlson, defense training supervisor.

A new engineering drawing course for 13 men defense students started Monday, Professor Carlson said. A class in materials inspection will be graduated this weekend. Among others now in progress or planned for the next few months are radio technology, cost accounting, chemistry of powder and explosives, spectroscopy and X-ray courses.

That Kansas State College men may be quickly affected by the war was a conjecture advanced by a reporter on the Kansas State Collegian, student newspaper, Tuesday morning. Those who would be particularly affected, the reporter believed, were the junior and senior Reserve Officers Training corps officers. The officers' training program may be, he says, speeded up and expanded, as well as the basic instruction now being given to freshman and sophomore students.

Some horseplay found its way into the new activities of students Sunday night, when a practical joker called ROTC cadet officers and asked them to report to Nichols Gymnasium, which also serves as an armory. Several cadet officers, believing the report, actually reported to the gymnasium in uniform before finding out that the report was false. A wag also caused further confusion by calling several of the sororities and asking them to evacuate their houses, which were to be taken over as temporary barracks by men in the service.

EVERYDAY ECONOMICS

By W. E. GRIMES

"The unusual has been a common occurrence in the business world."

The phrase "business as usual" is another of those vague expressions of things hoped for. If business as usual were possible during the next six months or the next year, just what conditions would exist? What period in the past would be picked out as representative of "business as usual"?

During the years that span the experiences of most of those now engaged in business enterprise there have been few, if any, periods of any length during which business men were not confronted with problems. These problems have varied widely. The expanding prosperity of the first decade of the present century, the World War of the second decade, the deflation and readjustment of the twenties, the depression and partial recovery of the thirties, and now the

national defense effort tell the story of the forces that have played upon business enterprise during the present century. The scene has been changing constantly.

New inventions, improved techniques, changing domestic and foreign markets, the demands of war, the adjustment to relative peace—all have been a part of the record of this period. Its most outstanding characteristic has been rapid change. The unusual has been a common occurrence in the business world. Perhaps this is what is meant by "business as usual". If so, then the present should qualify for "business as usual". Or maybe the "business as usual" era is that mythical time hoped for when business may be conducted without problems to worry about.

national defense effort tell the story of the forces that have played upon business enterprise during the present century. The scene has been changing constantly.

New inventions, improved techniques, changing domestic and foreign markets, the demands of war, the adjustment to relative peace—all have been a part of the record of this period. Its most outstanding characteristic has been rapid change. The unusual has been a common occurrence in the business world. Perhaps this is what is meant by "business as usual". If so, then the present should qualify for "business as usual". Or maybe the "business as usual" era is that mythical time hoped for when business may be conducted without problems to worry about.

F. W. Atkeson, professor in the Department of Animal Husbandry, will preside at the final meeting of the conference Wednesday afternoon. There will be a panel discussion by the staff and audience, and a general summarization of the conference by Dr. J. S. Hughes, professor in the Department of Chemistry.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, December 17, 1941

Number 13

PRESIDENT WANTS COUNCIL TO AID COLLEGE, FACULTY

F. D. FARRELL ADDRESSES NEW ADVISORY GROUP

Administrator Says He Hopes Organization Will Give Sufficient Time and Effort for Its Success

Pres. F. D. Farrell told the recently established College Advisory Council Tuesday afternoon that it could "give the administration and the College the benefit of the ideas, the enthusiasm, the energy and the wisdom of the entire faculty" and offered six suggestions for the group's guidance.

Speaking at the first regular meeting of the council since its organization last month President Farrell said:

ONLY ONE MISGIVING

"I have only one misgiving about the Council: the possibility that because of disinclination to assume responsibility or of preoccupation with specialized interests, or because of both, some members of the Council will not give to its work the devotion that its success requires."

The President's suggestions included:

"1—That you regard your function as a difficult and important one, to be taken seriously and to require your best thought, your unselfish devotion and your unfailing patience.

DUTIES ARE ADVISORY

"2—That you recognize the fact that your duties are advisory.

"3—That in considering any administrative subject you first ascertain the facts of the case, including the extent to which the subject is important, and the reasons why present administrative action on that subject is as it is.

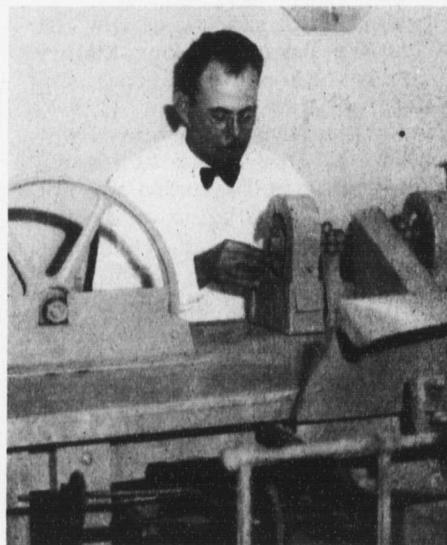
"4—That you recognize the three major categories of college administrative action: (a) Action required by law; the College must obey the law. (b) Action required by the Board of Regents; such action has the force of law. (c) Action taken by the faculty, by department heads, deans, standing committees, the Council of Deans or the President, but not inconsistent with the law or with Regents' orders.

TO RECOMMEND METHODS

"5—That when the Council decides that a subject is of sufficient importance to warrant a recommendation for administrative action the council ascertain . . . in which category the action lies and formulate its recommendation accordingly.

"6—That the Council always keep clearly in mind one of the major obstacles to improved college administration—financial limitations."

Kansas Craftsman



Orlin Baker, Great Bend gem cutter, pictured above, is one of the Kansas craftsmen mentioned in the 1942 Kansas Magazine which is now on sale from the Kansas State College Press. Mr. Baker built the pictured machine from various odd parts to cut and polish stones.

COLLEGE STUDENTS AWAITS HOLIDAYS BY ATTENDING CHRISTMAS PROGRAMS

Meetings, Assemblies and Parties Recognize Traditional Spirit of Yuletide

The last week of school before Christmas vacation beginning Saturday noon finds Kansas State College students recognizing the holiday spirit in meetings, assemblies and parties.

Sunday night Johann Sebastian Bach's "Christmas Oratorio" was presented to students and townspeople by the College glee clubs with the cooperation of members of the orchestra and a brass sextet.

Wednesday morning in a student assembly the YWCA and YMCA presented a Christmas pantomime, "Where Love Is, God Is," which depicts the life of a Russian cobbler and his service to mankind. The program also featured a vocal ensemble singing English carols and hymns. Those in the ensemble were Geraldine Gundy, Manhattan; Clara Jane Billingsley, Belleville; Margaret Hobbs, Manhattan; Jeanette Coons, Canton; Kathleen Ahearn, Manhattan; Ann Seely, St. John; Preston Brecheisen, Garden City; Edwin Sayre, associate professor in the Department of Music; Norris McGaw, Topeka, and Francis Gwin, Leoti.

In keeping with the holiday spirit, Kansas State College students are greeted each noon this week as they leave fourth hour classes by Christmas carols coming from the tower of Anderson hall.

ADEQUATE DIET COSTS 16.5 CENTS FOR PERSON A DAY AS MINIMUM

STUDENTS IN DIETETICS MAKE SURVEY OF MANHATTAN FIGURES

Substitutions Are Necessary and Selection Is Small But Sample Menus Give Alert Homemaker Best Suggestions

Although minimum food costs have increased 31.2 per cent during the past year, an adequate diet with all essential nutritional elements is possible in Kansas for 16.5 cents a person a day, according to studies just completed by dietetics classes directed by Miss Ella Jane Meiller.

Students have tested menus and studied market costs to find it can be done, and done palatably. The amounts and types of foods were determined from publications of the Federal Bureau of Home Economics.

STEADY ADVANCE IN COSTS

Substitutions are necessary and food selection is small, but the alert homemaker with menus prepared by the classes is able to feed a family of five for \$5.81 a week. Comparisons with similar studies a year ago show a steady advance in food costs, rising from 12.5 cents per day in November, 1940, to 13.5 cents in April, 14.6 cents in July and 16.5 cents at the present time. These include tax.

The chief economies come from buying in quantity, using skim milk and enriched fat, and making the family cereal and breads from locally ground cracked wheat flour. If the selection of minimum cost meats and vegetables is small, as it is at the present time, variety must be sacrificed to meet nutritional needs. Yet, by varying methods of preparation and using only two fruits, one meat and one fish, two yellow or green vegetables and two types of potatoes, the family is able to have various healthful combinations at the lowest possible cost.

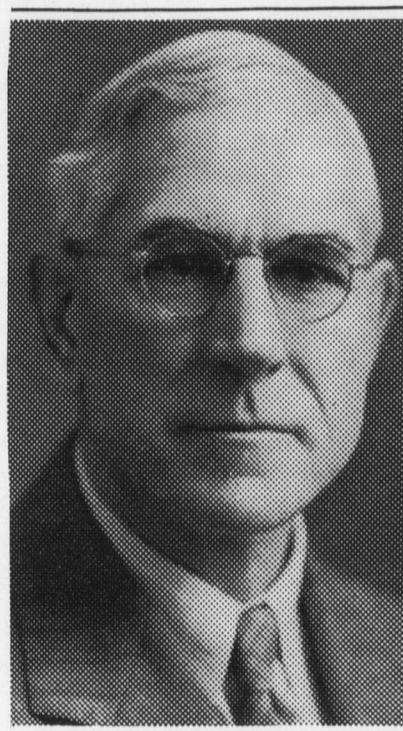
At present market prices, the weekly menus can include ground beef and whiting, Irish and sweet potatoes, pinto beans, carrots, cabbage, apples and raisins, four eggs per person, an onion for flavoring, skim milk, breakfast coffee for adults, home-made whole wheat cereal and breads, enriched fats, cooking fat, sugar and accessories for cooking such as vinegar, salt and flavorings.

SHUFFLING PROVIDES VARIETY

These may be shuffled in various combinations and at different meals to add variety of taste. Cabbage slaw can be made with raisins, carrots or apples. Sweet potatoes may be combined with raisins or apples. Beef stew is savory with the vegetable

(Continued on last page)

Heads Defense Council



L. E. CONRAD

COLLEGE'S DEFENSE COUNCIL PREPARES FOR ANY EMERGENCY

FOUR COMMITTEES DESIGNED TO STUDY PLANS

Dean L. E. Conrad Is Chairman of Faculty Group Appointed by President to Supervise Campus Activities

Preliminary plans looking toward any wartime emergency were laid Monday when members of the recently appointed College Defense council met in the office of the group's chairman, Acting Dean L. E. Conrad of the Division of Engineering and Architecture.

As preliminary measures in preparation, committees of the council will examine special problems and report plans of action, the plans to be coordinated by the Council with defense activities of the city of Manhattan and Ft. Riley.

APPOINT FOUR COMMITTEES

The committee heads, appointed by Dean Conrad, are as follows:

G. R. Pauling, superintendent of maintenance, who will report on special measures for fire protection and protection of power facilities, including their handling in case of a blackout.

Col. James K. Campbell, head of the Department of Military Science and Tactics, who will study the problem of policing the campus in an emergency situation.

Dr. M. W. Husband, head of the student health service, will plan emergency medical care and hospitalization.

Prof. R. I. Thackrey, head of the Department of Industrial Journalism and Printing, who will make plans for a system of communication and distribution of instructions for conduct.

STUDY BLACKOUT PLANS

Dean Conrad explained that for the present at least the Council is concerned solely with protection of the College's physical property from sabotage or other damage; with protection of the College students and employees; with working out details of cooperation between College and the city in blackouts and other necessary defense preparation activities; and with setting up a plan of action in the event of an actual air raid here. In all these activities, both the College and the Manhattan Defense council will cooperate closely with Ft. Riley officials.

The Council voted to recommend to Pres. F. D. Farrell that some system of identification of permanent service employees of the campus be established—a system similar to the card plan used during World War I

(Continued on last page)

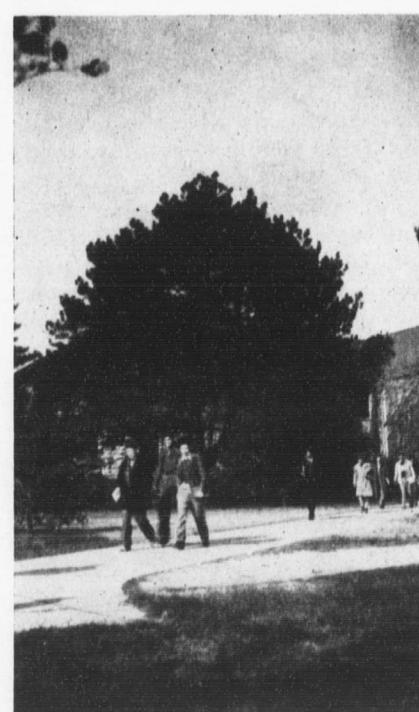
DR. J. T. WILLARD, COLLEGE HISTORIAN, WRITES OF TREES ON KANSAS STATE CAMPUS

By J. T. WILLARD
College Historian

In Kansas, trees come usually as a return for intelligent effort, and progress in arboreal beautification of the campus has always been noted as a definite achievement. When the three little farms were purchased to constitute the present campus, some trees that still live already were growing on them, either as volunteers or as plantings of their pioneer owners.

No trees can be positively identified as accompanying the Preston residence now part of the College infirmary, and located on the northwest quarter of the campus.

The northeast quarter brought with it a nursery of fruit and forest trees which Professor Gale had operated commercially, and from which sales continued to be made. In the middle part of the existing grove, remnants of pine plantations remain which were doubtless set as early as 1870, and probably were less desirable specimens than those sold. The west part of the pine grove originated in a plantation made by the Agricultural Experiment station about



The pine southeast of the woodshop has become one of the largest and most interesting trees on the campus. Its trunk is eight and one-half feet in circumference. This view was taken November 6, 1941.

1890. Many have been removed but the arrangement in rows is readily seen.

The house belonging to this Gale quarter stood on a site across Manhattan avenue from Lovers' lane. A walnut tree six and one-half feet in circumference is near this spot and was probably there before the house was destroyed by fire.

The south half of the campus was the Blood place, but was purchased from Jane G. Foster. The residence occupied a spot north of the east part of the north wing of Anderson hall. The two old cedars still standing there were near the house, and now are about six feet in circumference. The house was razed in 1880. Northwest of Anderson hall, and by the side of the walk to Engineering hall, are two old Kentucky Coffee trees that were also part of the Foster improvements. These trees are about nine feet in circumference, and are picturesque features of the grounds.

There are several trees on the campus which antedate College ownership but were not near residences, and were evidently volunteers. The most conspicuous are cottonwoods.



This cut shows in its winter state the large hackberry tree at the fork of the road east of Anderson hall, seen in the background. It is nearly 12 feet in circumference.

One of these is near the northeastern part of the loop of road surrounding the stretch of the campus east of Anderson hall. This is 12 feet in circumference and has been struck by lightning more than once.

Off the loop, at the fork in the main walk at the foot of the slope, is another cottonwood which is about fourteen feet six inches in circumference and still shows a great scar where lightning split a slab from its side 30 or more years ago. The writer heard the crash of thunder and witnessed the result of the stroke. Farther up the walk toward Anderson hall are other old cottonwoods which are gradually yielding to destructive agencies.

While these cottonwoods do not have the smart beauty of many of the trees in active use by landscape architects, to those reared in the region, where it was a real problem to produce trees, their rapid growth, and sturdy resistance to drought, and the cheerful rustle of their leaves make them prime favorites with thousands. They fill a worthwhile place in the College landscape. Even

(Continued on last page)

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY Editor
HILLIER KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas
State College of Agriculture and Applied Science,
Manhattan, Kansas.

Except for contributions from officers of the College
and members of the faculty, the articles in THE KAN-
SAS INDUSTRIALIST are written by students in the De-
partment of Industrial Journalism and Printing, which
does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year,
payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-
class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C.
Alumni association, Manhattan. Subscriptions for all
alumni and former students, \$3 a year; life subscrip-
tions, \$50 cash or in installments. Membership in
alumni association included.



WEDNESDAY, DECEMBER 17, 1941

CHRISTMAS, 1941

Christmas season in 1941, in
America.

How will we look back on it?

It will be remembered as a thought-
ful season, as one in which sadness
was never very far from the surface
or entirely out of the thoughts.

It will be remembered more espe-
cially, however, as a season in which
we took stock and found much cause
for real satisfaction, because we en-
tered it as a people united as we had
not been for many years.

Those who are now children will
remember it as a merry and happy
season, as children always should.

Their elders will remember that
while "Merry Christmas" did not al-
ways come easily, "Best wishes of
the season" were never expressed
more sincerely, or received with more
real appreciation.

INSECTS PROFIT FROM MEN'S WARS

The large scale warfare of man
against man is giving a new lease on
life to many destructive species of
the insect world, scientists of the
United States Department of Agricul-
ture report.

One of the most effective methods
of "blitzing" insects is to pit them
against one another—to find para-
sites which will prey on insects de-
structive to crops and livestock. For
many years the Department of Agricul-
ture has maintained stations in
Europe and the Orient for studying
and collecting these parasites. Dur-
ing the past 50 years, 94 out of some
500 parasitic species shipped to the
United States and colonized have
been successfully established, thus
helping greatly to limit damage to
our agricultural products.

The outbreak of hostilities in 1939
forced closing of the Paris office of
the Bureau of Entomology and Plant
Quarantine and discontinuance of
parasite collecting in Europe. Con-
ditions in the Far East and freezing
of funds in Japan caused discontinu-
ance of work in the Orient and clos-
ing of the Tokyo station some time
ago.

Although forced out of Europe and
Asia, United States "armies" in the
insect "war" are taking up the battle
on a new front. Most of the former
European staff is now in South
America studying parasites of insects
which cause great damage to our
crops, particularly to cotton and
sugar cane. The Far Eastern staff
is being sent chiefly to Australia and
New Zealand to "carry on" there.

Progress in the never-ending strug-
gle against insects, whose multiple
methods of attack make a panzer divi-
sion seem archaic, will necessarily be
retarded by curtailment of research
abroad. The campaign on the "home
front" must therefore be prosecuted
even more vigorously. It is quite as
vital in national defense as the pro-
duction of seamless tanks or the
drilling of men.

BOOKS

Not All Paradise

"Hawaii: Restless Rampart". By
Joseph Barber, Jr. The Bobbs-Merrill
Company, Indianapolis, 1941. \$2.75.

Here is a book in which, *mirabile
dictu*, Hawaii is described as some-
thing other than "The Paradise of
the Pacific". It contains none of the
hyperbole that is so common and so
tiresome in the usual sort of litera-
ture about Hawaii. To the lay reader
it seems to be factual and objective.

It is well written, informative and ar-
resting. In the foreword the author
expresses his belief that his island
friends will not forgive him for breaking
with the Hawaiian literary tradition.
But he proceeds, nevertheless,
to call a spade a spade throughout
the book's 300 pages.

The author traces the history of
Hawaii since the landing there of a
party of New England missionaries
on April 4, 1820. He describes the
missionary regime; the subsequent
awakening and development of eco-
nomic enterprise, in which some of
the missionaries played leading roles;
the rise and progress of the Big Five
corporations; the era of magnificent
propaganda; the struggle over pro-
posals for statehood; the complex
and embarrassing Japanese situation,
and the doings of the United States
Navy and the United States Army.
He concludes with a chapter on the
significance of Hawaii and its social,
political and international implications,
closing on a note of restlessness
expressed in these words of volcanic
metaphor attributed to the native
islanders: "As life proceeds in Ha-
waii, there is a steady accretion of
human conflicts, of increasing strains,
which result inevitably in stormy out-
bursts of word or deed, periodically
marring Hawaii's tropic calm."

The chapter on the Navy opens
with a paragraph that is of peculiar
interest since December 7, 1941:

"Japan is out to conquer the world.
She has already made a beginning in
China and intends eventually to take
over the Philippines, French Indo-
China, and the Dutch East Indies.
Beyond question she has her eye on
Hawaii and the West Coast. In short,
the United States is in for war with
Japan, and the sooner the American
public realizes it, the better."

In the same chapter, reference is
made to a statement made before the
Senate Naval Affairs committee in
April, 1940, by Rear Admiral Taussig,
who declared that war with Japan
"is inevitable". For this declaration,
Admiral Taussig was widely con-
demned by the American press. The
author states that Sen. Bennett Clark
urged that the Admiral be court-
martialed. The Navy seems to have
been a modern John the Baptist.

The Army seems not to have quite
so good a batting average on the
Japanese question in its relation to
Hawaii. The author quotes Gen.
Charles D. Herron, commanding the
Hawaiian Department, as saying in
1940:

"Oahu will never be exposed to a
blitzkrieg attack. This is why: we
are more than 2,000 miles away from
land whichever way you look, which
is a long way for an enemy force to
steam, and besides it would have to
smash through our navy."

As Pearl Harbor and Honolulu are
on the island of Oahu, these words
would have had a strange sound on
Sunday morning, December 7, 1941.

The book is so filled with interesting
and significant data about the
agricultural, commercial, social, po-
litical, military and naval problems
of Hawaii that it is impossible to do
it justice in a brief review. For its
contents, and particularly for its
present timeliness, it is recommended
to readers who are interested in those
features of Hawaii that are the re-
verse of glamorous.—F. D. Farrell.

KANSAS NEWSPAPERMAN

Kansans point proudly to their
wheat, "the best in the world"; they
like to think that their schools are
among the nation's best, though their
teachers are poorly paid and their
certification requirements are shame-
fully low; they take honest pride in
their approach to an equitable dis-
tribution of their wealth, being rela-
tively free of the very poor and the
very rich; they loudly proclaim their
achievements, past and present, then
cuss themselves and their state at
home and abroad. Of one of their
unique distinctions, they are totally
unaware—their newspapermen.

Every state in the Union harbors
newspapermen from Kansas. An editor
of a big city daily, himself a Kan-
sas, once asserted that excluding the
native born, Kansas newspapermen
outnumbered all others in every state
outside of Kansas. The statement
may exaggerate, but Kansans are
found in every department of print-
ing and publishing—from trade
monthlies to sophisticated weeklies,
from advertising agencies to book
concerns, from press services and
syndicates to columnists, from the
editorship of America's most widely
circulated magazine to the editorship
of scores of obscure weeklies. In

COLLEGIAN EDITORIAL REFLECTS STUDENTS' REACTION TOWARD WAR

"Somewhere along the line we miscalculated. . . ."

Thus ruefully Miss Mary Margaret Arnold, editor of the Kansas State
Collegian, student newspaper, spoke for many millions of other American
youths as war engulfed the nation.

The editorial, entitled "My Country . . . Right or Wrong," follows as
it was printed last week in the Collegian:

It has finally happened.

That moment which for more than two years Americans have felt
imminent, and have dreaded has come.

Just 23 years and one month after signing an armistice the United
States is at war.

We didn't want war. We, who grew up in the shadow of the last
great conflict, fought against it bitterly. We learned in our history
books about wars that were fought for brave-sounding phrases invented
by munitions-makers and were not to be duped.

Somebody along somewhere convinced us that if nobody wanted war
there wouldn't be any war. This time we were going to save the world
for democracy by reading textbooks and arguing politics. We weren't
going to have our happy, matter-of-fact lives spoiled by air-raids and food
shortages.

But somewhere along the line we miscalculated. We forgot that
after you had turned both cheeks there wasn't much left to do but hit
back.

We had never known that queer feeling that comes on reading about
bombs falling where the neighbor boy is stationed.

We underestimated the power of that lump that comes in our throat
when the band plays the Star Spangled Banner.

Those history books forgot to tell us about that.

Not that the books were wrong. We know about the underlying
economic and political causes of the whole affair. We know that our
country has made some bad moves and is not wholly free from guilt
in the maneuverings which led to yesterday's declaration of war.

Somehow that doesn't seem so important now. What we know now
is that the United States is at war, and that war, to be won, must be won
by 130,000,000 Americans.

That is why we say, along with the most isolationist of all isolationists,
Sen. Burton K. Wheeler, "The only thing now is to do our best
to lick hell out of them!"

1938, three editors of the Scripps-
Howard Cleveland Press and three
of the four columnists for the Scripps-
Howard chain were Kansans. A list
of Kansas newspapermen and their
positions would include many of the
highest offices in the land. But the
list would be a mixed compliment to
Kansas. These men left Kansas be-
cause other states offered greater
opportunities.

Kansas has always had a powerful
group of editors. Ed Howe and Wil-
liam Allen White attained the greatest
reputations, but among their
contemporaries not far behind were
Arthur Capper, Henry J. Allen, Vic-
tor Murdock, Clyde Reed, Charles F.
Scott, and a score of others. And
these editors did not happen by accident.
Kansas was settled by a race of
crusaders. With every group a
newspaper immediately became its
voice. When the territory opened,
the pro-slavery people pushed across
the Missouri line to Leavenworth.
They set up their paper under an elm
tree, and the first building finished
housed the printing plant. The free-
state people founded Lawrence, and
the first paper printed on the town
site was issued from an office having
neither "floor, ceiling, or window
sash." Emporia printed its first pa-
per in an unfinished room of the
new hotel. With their rifles the Kan-
sas settlers brought the printing
press, and it was running before their
rude homes were up.

In the fine arts the state is poor.
Newspapermen wrote her best nov-
els; a lawyer-journalist wrote her
best poetry. In painting she gave
birth to Henry Varnum Poor, John
Noble, John Steuart Curry, and a
home to Birger Sandzen, Sweden's
greatest artist. In sculpture, archi-
tecture, and music, she lags behind.
The state has been a testing ground
for social, political, and economic
theories, and her professional emi-
nence lies in her newspapermen.

These same editors, ever alert to
news, have contributed largely to the
bad name of the state. When the
hot wind sears, when the tempera-
ture boils, when the tornado strikes,
when the dust blows, when ridicu-
lous legislation gets on the statute
books, when a fanatical reformer
rises—the nation knows. Easterners
in Emporia have searched vainly for
rooms where there were storm caves;
yet "for any specific area or farm of
one square mile the probability of
being visited by a tornado is less than
one-sixteenth of one per cent per
century." One New England flood
can destroy more lives and more
property than all the tornadoes in
the history of the state and be less
sensational than a single Kansas
tornado. Kansas editors have done
their reporting so well that those
who have never lived within her
borders imagine her to be a land of
perpetual drouths, dust storms, tor-
nadoes, grasshoppers, and prohibi-
tions.—Everett Rich in "William Al-
len White, The Man from Emporia."

Judge W. D. Gilbert, '74, of Atchison,
inspector of rural free delivery
routes in Kansas, was promoted at
the request of Congressman Curtis to
the office of special agent of this
branch of the service in the state.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Grace Allingham, '04, was head of
the home economics department of
Fresno State College, Fresno, Calif.

Dr. C. W. McCampbell and Prof.
A. D. Weber of the Division of Agri-
culture attended a meeting of the
American Society of Animal Production
in Chicago.

Dean E. L. Holton of the Depart-
ment of Education addressed Reno
county teachers and members of
school boards at an annual meeting
at Hutchinson. He discussed "Social
and Economic Conditions in Europe."

TWENTY YEARS AGO

Dr. Earl M. Dobbs, '16, was assis-
tant state veterinarian of Nevada,
with headquarters at Las Vegas, Nev.

L. A. O'Brien, '14, was employed as
production engineer with the eastern
branch of the National Carbon company,
at South Orange, N. J.

L. R. Varcoe, '17, electrical engi-
neer, resigned as superintendent of
the municipal power plant at Osage
City, and entered the employ of the
Kansas Electric Utilities company at
Emporia.

THIRTY YEARS AGO

Ward Hollis, '11, left for the Oregon
Agricultural college to take
charge of the new veterinary depart-
ment established there.

"The Water Supply of the Modern
Farm House" was the title of a pam-
phlet which Dr. J. D. Walters, head
of the Department of Architecture and
Drawing, was writing.

Dr. T. J. Headlee addressed the
Western Association of Nurserymen
at Kansas City. His subject was "The
Relation of the Agricultural College
to the Nurserymen."

FORTY YEARS AGO

Prof. Walter H. Olin, '89, resigned
his position as superintendent of
schools at Ottawa with the intention
of taking up advanced studies in agri-
culture at this College.

W. C. Moore, '88, for many years
the editor of the Junction City Daily
Union, sold his interest in the paper
to John and Harry E. Montgomery.
John Montgomery had been his busi-
ness partner for many years.

Judge W. D. Gilbert, '74, of Atchison,
inspector of rural free delivery
routes in Kansas, was promoted at
the request of Congressman Curtis to
the office of special agent of this
branch of the service in the state.

FIFTY YEARS AGO

H. W. Jones, '88, was instructor in
mathematics in the Texas Normal col-
lege at Denton.

Professors White and Georgeson
attended a farmers institute at Gard-
ner, Johnson county.

President and Mrs. Fairchild
planned to attend a reunion of the

Mid-continent Association of Alum-
ni and Former Students of Oberlin
college in Kansas City during the
Christmas holidays.

SIXTY YEARS AGO

Professor Sheldon attended a meet-
ing of the State Grange.

President Fairchild and Professor
Popeno visited the University of
Kansas at Lawrence.

Miss Rowena Whaley obtained a
position in a telegraph office in New
Mexico. Miss Whaley learned the
business in the telegraph department
of this institution.

KANSAS POETRY

Robert Conover, Editor

AWAKE AT NIGHT

By Mary Anderson McMillen

From the street below the lights of
moving cars
Make grotesque figures flee across
the room;
Within the patch of sky are many stars,
Marching with the majesty of doom
West to their eternal rendezvous.
Here in the shadowy room, remote and
high
Above the quiet world that lies
asleep,
Capricious fancies wake and stir, and I
Am conscious that my being moves
to keep,
Even as the stars, some long
awaited tryst.

Mary Anderson McMillen is a native
of St. Louis and a graduate of
Washington university there. Her
home now is in Manhattan, where her
husband is on the teaching staff of
the Department of Physics, Kansas
State College. She is the mother of
two children.

SUNFLOWERS

AMONG THE ALUMNI

Dan W. Working, B. S. '88, justice of the peace, Denver, Colo., recently sent a program of a school of philosophy held during November at the Cosmopolitan hotel, Denver, Colo. Among the philosophers who addressed the group was Edward O. Sisson, B. S. '86.

"The real thrill for me was to have Doctor Sisson recognize a fellow student of more than 50 years ago at the lunch we all attended," wrote Mr. Working. "We had not met since the commencement at Manhattan when he delivered the baccalaureate address and I listened with admiration to his characterization of the men and the College of the 1880's. We two agree that such men as Fairchild, Failyer, Kellerman, Olin, Popenoe, Shelton and Mrs. Kedzie, by the force of their character and the quality of their scholarship, made a lasting impression upon us."

"When I got home in mid-afternoon I found THE INDUSTRIALIST in my rural mailbox. Truly, THE KANSAS INDUSTRIALIST is a great little paper—which I have been reading for nearly 60 years. It attracted me to the old Agricultural College; it enabled me to earn the larger part of my expenses during my College course. And to this day the three bound copies which I own are among my cherished possessions."

Frank Sorgatz, B. S. '07, is a carpenter in San Diego, Calif. His address is 3130 McKinley street.

Harry E. Hershey, B. S. '10 and E. E. '22, was admitted to the Illinois bar on November 10 after receiving his degree of Doctor of Jurisprudence from the John Marshall School of Law last June.

Doctor Hershey published the first edition of a book, "Automatic Telephone Practice", in 1917. The book has sold 16,000 copies in four editions.

He was a signal officer in the 352nd Infantry during the first World War and is a member of the American Institute of Electrical Engineers and the Western Society of Engineers.

He has received over 50 patents covering communication and remote control inventions in telephone systems.

Earl H. Martin, Ag. '12, M. S. '31, now lives at 503 Gaylord, Pueblo, Colo. He has taken the position of agricultural instructor in the Pueblo Junior college.

Lura (Houghton) Horton, H. E. '13, is chief dietitian at the Security Benefit association hospital, Topeka. She called in the College Alumni office November 19 while she was in Manhattan visiting her daughter, Betty. Betty is enrolled here as a sophomore in Industrial Journalism and Printing. Mrs. Horton was formerly with the Davis Memorial hospital, Elkins, W. Va.

George M. Schick, Ag. '16, and Jeanette (Wheeler) Schick, f. s., are farming at Plainville, Texas. They moved there recently from Hugoton, Kan., where Mr. Schick was supervisor for the Farm Security administration.

Katharine (McFarland) Ansley, H. E. '18, is food service manager at the Illinois Union Building, University of Illinois, Urbana, Ill.

H. S. Wise, Ag. '20, 579 West Douglas, Wichita, is owner of the Steve Wise company, home appliance distributors. He and Lois (Edmundson) Wise, f. s., visited Manhattan during November.

Ruth Katherine (Trail) McClellan, M. S. '22, and Clifford McClellan recently moved to 862 Kane, Klamath Falls, Ore.

Grace B. (Long) Elser, H. E. '23, wrote that her new address is 1211 S. Williams street, Denver, Colo. Her husband, Wilbur Elser, is in the extension service there.

Harold B. Axtell, E. E. '24, is a telephone engineer in Pasadena, Calif. He and Wilma (Kneese) Axtell live at 120 Brocadero place.

Anna (Nohlen) Magnuson, G. S. '25, lives at 1267 Vine street, Denver, Colo. She and J. E. Magnuson were married February 21, 1941.

Irwin K. McWilliams, M. E. '26, and Frankie (Johnson) McWilliams, f. s., live at 629 L street, Anchorage,

Alaska. Mr. McWilliams is superintendent of safety regulation with the United States Civil Aeronautics administration, Eighth region, Anchorage, Alaska.

Paul A. Vohs, I. J. '26, recently was acquitted of a charge of criminal libel by a district court jury which heard charges brought against Mr. Vohs by the sheriff of San Miguel county, Colorado, as a result of material appearing in the San Miguel County Journal, published by Mr. Vohs.

The libel action was the result of publication by Mr. Vohs' paper of mileage and other expense items collected by the sheriff from the county. A similar action brought by the chairman of the board of county commissioners was dropped before being brought to trial.

Mr. Vohs has been called "a modern Peter Zenger" by a member of the Colorado University journalism staff, in describing the actions brought against Mr. Vohs as a result of his printing certain county expenditures in detail. The trial of Peter Zenger, editor of the New York Journal, in 1734, was one of the milestones in establishing the principle of freedom of the press in the English-speaking world.

Ben H. Pubols, M. S. '27, is professor and head of the Department of Farm Management and Agricultural Economics, College of Agriculture, Washington State college and is also head of the farm management division for the agricultural experiment station in connection with the college. He and Ethel (Braswell) Pubols live at 1715 B street, Pullman, Wash.

Mary Elsie Sargent, G. S. '28, is teaching rural school at Riley.

Rex E. Wheeler, E. E. '29, is electrical engineer with the Dowzer Construction company, Hutchinson. He and Grace (Wilson) Wheeler, f. s. '32, live at 302 Hyde Park, Hutchinson. They have three sons, Barney, Bob and David.

William P. Albright, M. S. '30, formerly extension poultryman at Purdue university, Lafayette, Ind., resigned in September to enter the hatchery business in Greensboro, N. C.

"I regretted leaving the fine group of Kansas State alumni at Lafayette, as well as the university, but I feel that there is a great opportunity in the South in poultry," he wrote.

He is operating the Albright's Hatchery, 606 S. Elm, Greensboro. He and Dorothy (Wilbanks) Albright live at 1109 Vance.

Lillian (Boyer) Daugherty, Apt. 103, 1626 D street, Lincoln, Neb., is chief of the welfare section of community service work projects with the Federal Works agency. Her work involves state program planning for sewing, shoe repair, mattress-making, public health and institutional service programs, school lunch, commodity distribution, and cleaning and renovation programs.

She writes, "I have been with the government since 1933—first as a county relief director under FERA in my home county of Pawnee, Neb., then to WPA when it opened in 1935, first as a district director of community service programs—working in several different districts, and then to the state office in March, 1940.

"I see the Duleys and the Linus Burr Smiths at times. I am very happy in my state job in Lincoln and am near home—Pawnee City. I am so grateful for my father's far-sightedness when he insisted I get my degree at Manhattan while I lived there, for I could not have had this job, nor the advancements without it.

Training in teacher training is valuable in the training of the unskilled WPA worker and the supervisory staff."

Lt. Kenneth E. Sadler, D. V. M. '35, is in the veterinary corps of the army at Ft. Robinson, Ark. He was formerly working in the Bang's Disease Laboratory, North Dakota Agricultural college, Fargo, N. D.

Marcella (Meyer) Kennedy, G. S. '37, is a homemaker and is teaching in the Lillis high school. She was married August 2 to Edward Kennedy, a farmer at Wheaton.

Barnabas A. Hays, Phys. Ed. '39, coaches football, basketball and track at Olathe high school. He is in the same conference with Lud Fiser and Wally Forsberg. Mr. and Luella (Moffitt) Hays live at 110 E. Poplar, Olathe.

LOOKING AROUND KENNEY L. FORD

**Holiday Greetings
to all
Kansas State College
Graduates and Students
from the
Alumni Association**

**Kenney Ford,
Secretary**

Alumni Met in Reno

Alumni and former students of Kansas State College gathered for a reunion in Reno, Nev., December 6. After a dinner at Villa Sierra, Kenney L. Ford, alumni secretary, talked on the development of the College. He showed colored movies of the campus and of the Kansas State University of Kansas football game.

Those attending were Dr. L. W. Hartman, former Kansas State faculty member, now president of the University of Nevada, and Mrs. Hartman; Cecil Creel, f. s. '08; Frederick Wilson, '05; Walter H. Hilts, '18, and Ruth (Borthwick) Hilts, '19; Andrew C. Rice and Penelope (Burris) Rice, '24; Clara Bess Garrison, '35; Alice (Butler) Marsh, '35; Mr. and Mrs. Cruz Venstrom; Helen Haines, '13, Reno, Nev.; Harry W. Reppert, '10, Carson City, Nev.; and Grace (Herr) Schmidtlein, '22, Austin, Nev.

Arrangements for the meeting were made by Professor Wilson.

Berkeley, Calif., Alumni Meeting

Kansas State College alumni and former students attended a meeting at the Whitecotton hotel in Berkeley, Calif., December 5.

Those registering included Morris Evans, '20, M. S. '25, and Dorothy (Woodman) Evans, f. s. '16; N. H. Casselberry, '39; W. H. Roth, '35, and Mrs. Roth; Florence Alsop, '18; Abby L. Marlatt, '38; Irene (Case) Branson, '11; Lillian Johnson, M. S. '31; Margaret (Campbell) Johnson, f. s. '91; Mrs. Ellen E. Martin, f. s. '80; Orval W. Morris and Gladys (Addy) Morris, '21, M. S. '26; Orpha (Russell) Rhodes, '24; James A. Hull, '17, and Mrs. Hull; Kenneth M. Gepen; Henry W. Schmitz, '22, M. S. '28, and Ruth (Dorr) Schmitz, all of Berkeley.

Others present were Gertrude McQuaid, '18; Maree Richards, '27; Marguerite Richards, '29; Mrs. George Richards; George J. Clause; Henry Creager; and Dale C. Prentice, all from Oakland, Calif.; C. D. Stafford, '35, Novato; D. E. Davis, '22, Petaluma; Warren E. Crabtree, '20, and Dora (Cate) Crabtree, '20, Salinas; D. G. Lynch, '24, and Morris Halperin, '28, San Francisco; Edna (Bangs) Hinshaw, '23, M. S. '25, and Bessie (Burkhardt) Cook, '20, Davis; Esther McStay, '22, Hayward; Gordon R. Skiver, '38, and Greta (Leece) Skiver, '30, Pittsburgh, and Kenney L. Ford, '24, Manhattan, Kan.

Mr. H. W. Schmitz was in charge of the meeting.

Officers elected were George Spohr, '06, president; Esther McStay, vice-president; and James A. Hull, secretary-treasurer.

MARRIAGES

SHAW—OLSON

Eileen Hope Shaw, Music Ed. '37, and Leslie D. Olson were married June 7. Mr. Olson is employed as junior merchandiser at Montgomery Ward and company at Denver, Colo. She is doing personnel work in the Glenn Wilson Employment Agency. They live at 2511 E. Kentucky avenue, Denver, Colo.

SINGLETON—CUNNINGHAM
Marialice Singleton, H. E. '39, and Clyde Cunningham were married September 6. Mr. Cunningham, a graduate of the University of Missouri, 1939, is extension agent in Jackson county, Mo. Their home is

at 1011 Lynn, Independence, Mo. Mrs. Cunningham was formerly home demonstration agent at Savannah, Mo.

NILSON—FOWLER

Aylene Nilson and Lowell W. Fowler, G. S. '41, were married in the Walsburg Lutheran church October 18. Mrs. Fowler graduated from the Park View Hospital School of Nursing at Manhattan last spring. Since that, she has been engaged in private duty nursing. Their home is at 435 W. Sixth, Pittsburg, where Mr. Fowler is geologist with the State Highway department.

LOCKARD—LEMON

Jeanette Lockard became the bride of Guy H. Lemon, I. Chem. '35, in a ceremony September 6. Mrs. Lemon is a graduate of the Lincoln School of Commerce, Lincoln, Neb., and has for the past four years been employed by the Kansas Power and Light company. Mr. Lemon, a member of Phi Kappa Tau fraternity, is with the State Highway laboratory and works in Manhattan at the Kansas State College lab. They are at home at 336 N. Fifteenth, Manhattan.

DEATHS

MURRAY

Blanche (Nattier) Murray, H. E. '37, died September 25 at her home in Neodesha. Her death was attributed to leukemia. Mrs. Murray is survived by her husband, Carl Murray, her father and three sisters.

FOLTZ

Ernest Foltz, G. S. '29, was killed in an elevator accident at the Eagle building in Wichita September 29. Mr. Foltz, a member of Acacia fraternity, had been living at Belle Plaine. He is survived by his parents and two brothers—one of whom is Vernon D. Foltz, Kansas State College professor.

THOMPSON

Arlene (Taylor) Thompson, H. E. '41, was killed October 27 in an automobile accident near St. Louis, Mo. Her husband, Clarence H. Thompson, also was graduated last spring, in veterinary medicine. They were married June 8. Doctor Thompson is employed with the Bureau of Animal Industry at Ozarkie.

LOWE

Helen (Brewer) Lowe, H. E. '29, M. S. '32, was drowned September 28 in Duncan Park lake, Spartanburg, S. C. She was former nutrition specialist with the Kansas State College extension service. She was home economics teacher at Peabody high school two years and later was home demonstration agent in Harper county. Her husband, J. N. Lowe, is a soil conservation service employee in Spartanburg.

RECENT HAPPENINGS ON THE HILL

A tea for students and faculty in the Division of Home Economics Thursday from 3 to 4 p. m. will feature a fashion show. Members of the division will model clothing suitable for school and sport, for dates and formal wear.

Members of the Service Committee of the Home Economics club are knitting six-inch squares for British relief in their spare moments. This was a project of the committee last year. Anna Dean Wagaman, Manhattan, is chairman of this year's project.

Dean W. W. Pierson of the graduate school of the University of North Carolina was on the campus last month making a survey of the five state schools. He was employed by the State Board of Regents to make the study and will return to Manhattan early next year to gather additional details.

Campus parking regulations, eligibility rules and the lack of a Student Union were subjects of gripes "aired" Friday night at the gripe session sponsored by Pi Kappa Delta, honorary forensic organization. Dr. Howard T. Hill, head of the Department of Public Speaking, acted as chairman of the meeting in which grippers were limited only by respectability.

Students enrolled in the College's Civilian Pilot Training program cannot continue their training until birth certificates and other papers are presented and approved. Some students in the program, according to Prof. C. E. Pearce, CPT coordinator, have their licenses recertified and are working to complete their required hours in the air by Christmas vacation.

BIRTHS

Ruth (Bell) Dufva, H. E. '27, and Lawrence Dufva, 726 Bertrand, Manhattan, have announced the adoption of a daughter, Diane, whose birthday is September 18.

Curtis W. Sabrosky, M. S. '33, and Evangeline (Hock) Sabrosky have a son, Alan Ned, born October 10. Mr. Sabrosky is an instructor in entomology at Michigan State college, East Lansing, Mich.

E. Merrill Downer, B. Ad. '40, and Barbara (Murphy) Downer, f. s., have named their son, born October 21, William Downer. The Downers live at 1042 Dearborn, Augusta, Kan. Mr. Downer is with Beech Aircraft corporation.

HOW ALUMNI FUND MAY HELP COLLEGE

BY KENNEY L. FORD

The new alumni fund set up by the board of directors of the College Alumni association is a plan for fund-raising similar to that in effect at many colleges and universities.

The alumni fund offers every graduate a chance to make a gift to the College according to his means. The size of the gift is important but not as important as the fact that a gift is made. It does not require a large sum to buy a book for the library.

The following shows how alumni of a few other colleges supported their alumni fund in 1940-41:

College or University	No. of Contributors	Percent Contributing	Amount Contributed
Cornell	7,220	11.9	\$112,901
Park	557	19.	3,400
Vermont	1,376	13.1	5,964

Gifts to the alumni fund may be made for the following purposes:

1. A library fund, to supplement the limited state appropriation for maintenance and book purchases for the College library.
2. Any specific purpose selected by the donor, such as: purchase of works of art, supplying cultural programs for college audiences, additions to the loan fund or the Chimes Tower fund, financing of a hospital or hospital unit, endowment of a chair or chairs in the College, scholarships, furnishings for a student union building, low-cost student housing.
3. Unrestricted donations, whose disposition would be left to the board of directors of the association, acting after getting the advice of College officials as to the most urgent needs.

Alumni of the college may express their love for Kansas State College in two ways through the alumni fund.

First, by making a gift according to their means and, secondly, by encouraging others to help finance needs on the campus not covered by state appropriations.

No gift to the alumni fund can be too large or too small. The future of our Alma Mater will depend to some extent on how we personally support the alumni fund.

FEED CONFERENCE BRINGS 60 TO STUDY LIVESTOCK FEEDING

COMMERCIAL DEALERS APPROVE 1942 MEETING

FACULTY MEMBERS TELL ABOUT DEVELOPMENT FOR IMPROVING FARM TECHNIQUES; PROF. L. F. PAYNE IN CHARGE

Approximately 60 Kansas commercial feed dealers attending a two-day conference, sponsored by the College and the Kansas State Board of Agriculture here December 11 and 12, voted to hold a similar conference again next year.

The meetings, according to Prof. L. F. Payne, head of the Department of Poultry Husbandry who had charge of arranging the College part of the program, gave feed dealers available information in regard to the best livestock feeding practices.

DEAN CALL PRESIDES

At the meetings Thursday, faculty members pointed out the essential food substances required to feed adequately the various kinds of livestock and the present recommended feeding practices. The morning session was presided over by Dean L. E. Call of the Division of Agriculture.

Dr. J. S. Hughes of the Department of Chemistry told of the substances essential for an adequate diet and said the feed dealers should know what should be in a feed. Dr. C. E. Aubel of the Department of Animal Husbandry illustrated the minerals required by meat animals. Dr. H. E. Bechtel of the Department of Dairy Husbandry discussed an adequate dairy cow ration and Prof. A. E. Schumacher of the poultry department discussed the nutritive requirements of poultry.

FARRELL WELCOMES GROUP

Pres. F. D. Farrell welcomed the afternoon group, with J. C. Mohler, Secretary of the State Board of Agriculture, presiding. Protein requirements of meat animals were discussed by Dr. A. D. Weber of the Department of Animal Husbandry, and Dr. C. W. McCampbell, head of that department, recommended feeding practices for the same kind of livestock. Feeding practices for dairy cattle were discussed by Prof. F. W. Atkeson, head of the Department of Dairy Husbandry. Professor Payne suggested how Kansans can improve poultry feeding practices. A banquet was at the Manhattan Country club Thursday evening.

The Friday morning meeting was addressed by out of town speakers. A. G. Philips of the Allied Mills at Chicago and a graduate of the College, discussed opportunities in the commercial feed business. The conference closed Friday noon with a panel discussion.

FORMER SHOP PRACTICE PROFESSOR DIES AT HIS HOME NEAR MANHATTAN

H. W. Aiman, 72, Retired to Half Time Work Three Years Ago; Came to College in June, 1918

H. W. Aiman, 72, former assistant professor of the Department of Shop Practice, died of uremia or blood poisoning December 4 in his home near Manhattan.

Failing health in 1938 forced Professor Aiman to retire to half time duty on the Kansas State College faculty. He came to the College in June, 1918, as an assistant instructor. In 1921 he became a regular instructor and four years later was given an assistant professorship in the woodworking part of the Shop Practice department.

Professor Aiman was born in Burlington, Iowa, in 1869. He took his college work at the Oskaloosa university in Iowa. He was buried December 6 in Sunset Cemetery.

MILITARY CLASSES SELECT THREE TO REIGN AT BALL

Ruth Weigand, Mary Cawood, Mary Griswold Are Chosen

Students in the Reserve Officers Training Corps voted during drill periods Saturday and Monday for the three honorary cadet officers to reign over the annual military ball January 10. Ruth Weigand, Topeka; Mary Cawood, Wetmore, and Mary Griswold, Manhattan, were the three candidates elected to the honorary positions. There were seven candidates.

One of the three will be the Honorary Cadet Colonel but her name will not be divulged until the presentation of the officers at the ball in Nichols Gymnasium.

DR. J. T. WILLARD WRITES OF TREES



View showing two of the old cottonwood trees which came up as volunteers, and are probably 70 to 75 years old. The farther one of the two is one of the largest trees on the campus, being nearly 12 feet in circumference.

(Continued from page one)
if no planner put them there, several have had the wisdom to let them stand as virile witnesses to a testing past.

At the southeast corner of the loop stands a hackberry tree that really seems to have determined the place for the road to divide as it begins to rise coming from Vattier street. This started in a fence-row which in 1881, and earlier, separated two fields. It was an item noted by the students in the class in surveying that year, and since the road was laid out past it in 1882 has been an object of observation continuously. It is nearly 12 feet in circumference, but there is some evidence that at its earliest age the trunk was formed by the sub-surface coalescence of two or more seedlings.

A row of soft maples was planted along the north side of Lovers' lane, the east end of a highway which formerly crossed the campus. It is not known whether Professor Gale planted them before the land was sold to the College in 1871 or not, but they had attained considerable size by 1879. Eleven of these remain and most of them are in good health. The largest is nine feet in circumference. On the slope but somewhat north of the lane is a splendid ash which dates from the same period as the maples, and is eight feet, six inches in circumference.

When this campus was first used, a board walk connected the shop and the "College building," now Farm Machinery hall. A row of trees was set at each side, and straggling survivors may be identified. Directly west of the Library is a fine ash, six and one-half feet in circumference. East of Veterinary hall is an elm which is eight feet, eight inches in circumference. A number of additional trees indicate the original rows. They are west of the present walk.

During the early years, a road led from the middle part of the campus to the second stone barn near the north side. A row of trees was planted west of it and among the survivors are a number of honey locusts. The finest specimen is nine feet, ten inches in circumference and stands west of Physical Science hall. It was a fair-sized tree in 1880. Another locust in this line stood northeast of Denison hall and was badly injured when the building burned, and was removed.

Among the year-round features of beauty on the campus are the large evergreens. Many of these were transplanted from the old campus between 1880 and 1887, and include Red Cedar, and Austrian, Scotch and

Table Mountain pines. The transplanting was done in the winter while the roots of the trees were incased in large masses of frozen earth. The pines between the old chemistry building and the shops are among those moved in that way. The pine southeast of the woodshop is one of the largest of these and is eight and one-half feet in circumference. Another farther south is more than seven feet around. The picturesque group down the slope east of Anderson hall has the same date and origin. These trees, now about 70 years of age, were 10 to 15 years old when transplanted.

ADEQUATE DIET COSTS 16.5 CENTS FOR PERSON A DAY AS MINIMUM

(Continued from page one)

combination. Pies and puddings can be made with raisins or apples and there are numerous ways in which each item may be used separately.

In order to get vitamin C into the low cost diet, the menus are including raw cabbage instead of the higher priced and more familiar form of oranges and tomatoes.

The wheat used for flour and cereal is purchased as grain and is either ground at the local mill for flour and cereal or is put through a food grinder or chopper for cereal. All the rich food properties of the whole grain consequently are available at little cost. Enough is allowed in the menus for cereal which is sometimes served with raisins and for bread, muffins, doughnuts, pancakes, puddings and even pie.

An onion is allowed for flavor, which aids in varying the ground beef, the only meat the budget can include. If the budget can be increased by a few more pennies, brains or hog liver can be included. Both possess a wealth of vitamins. For fish, whiting is used.

In buying eggs, the budget provides for "checks", eggs with irregular or checked shells not suitable for cold storage yet saleable as fresh. Packing houses sell them at a discount. To meet the nutritional needs for milk and butter, the menus are arranged for skim milk and enriched fat supplemented by larger proportions of other foods.

A typical day's menus include: Breakfast, stewed raisins with cracked wheat cereal and milk, whole wheat toast and enriched fat, skim milk for children and coffee for adults; Lunch, hot creamed beef sandwich, carrots, potato and onion salad, gingerbread and hot vanilla sauce; Supper, baked potato, cole slaw, raw apples, doughnuts, whole wheat bread and skim milk.



This view was taken about 1885 to show the woodshop. Incidentally the first state of the present Farm Machinery hall is shown, and a pine tree in the foreground southeast of the shop. This tree was probably more than fifteen years old at the time, and a few winters before had been transplanted from the old College farm, one and one-half miles west, its roots being incased in a large ball of frozen earth. Another view shows its present state.

TWO ECONOMISTS TO NEW YORK

Dr. W. E. Grimes and Dr. J. A. Hodges of the Department of Economics and Sociology will attend the annual meeting of the American Farm Economic association in New York City, December 27 to 30. Both will appear on the program on Saturday, December 27.

COLLEGE'S DEFENSE COUNCIL PREPARES FOR ANY EMERGENCY

(Continued from page one)
—in order to avoid confusion in an emergency situation.

Among suggestions made at the Council's meeting Monday were: An inspection of the College power and other facilities by federal or other authorities who might be in a position to make safety recommendations; consideration of increased fire prevention and precautionary measures, since damaged property would be difficult to replace during the emergency and could be replaced only by the use of materials needed for the defense effort.

Other members of the Council are Prof. L. E. Call, dean of the Division of Agriculture; Dr. Margaret Justin, dean of the Division of Home Economics; and Prof. G. A. Sellers of the Department of Shop Practice. Miss Eva McMillan, assistant dean of the Division of Home Economics, attended the meeting in the absence of Dean Justin. Dean Call and Professor Sellers both are members of the Manhattan Defense council.

In discussing the creation of the College council, President Farrell said Saturday that its function "will be to plan and supervise various activities on the campus for the purpose of developing local defense techniques to coordinate these activities with those of the Manhattan community."

Meanwhile Prof. W. W. Carlson, head of the federal defense training program here, said women would be asked to train for defense industry work.

Short, intensive, tuition-free courses offered in the College's defense training program include engineering drawing, materials inspection, radio technology, cost accounting, chemistry of explosives, spectroscopy and X-ray.

Defense authorities said that because of the country's war status, defense employment will increase and women will be used more extensively in industry production. Women are already being employed in the aircraft industry. The Office of Production Management estimates that 3,000 women are being used in defense industries with 25 to 30 thousand to be needed in the near future. These women are employed as inspectors of explosives, in the instrument making industry and in electrical supply production, Professor Carlson stated.

Radio technology, newest College defense course, will open about January 1, Professor Carlson announced. The course trains students to operate and maintain radios and radio stations.

New courses in engineering drawing and materials inspection for highways and airports have been approved by the United States Office of Education to be offered under the national defense training program at Kansas State College.

Both are 12 week courses for which all tuition and fees are paid by the federal government.

EVERYDAY ECONOMICS

By W. E. GRIMES

"The richness of the future will depend upon the wisdom of present actions."

Man lives for the future. The present is important in itself, but, with most men, matters of the present are most significant in their relation to the future. Sacrifices are made in the present in the expectation of future freedom from sacrifices or so that the future sacrifices may be lessened.

Man's concern for the future is a dominant factor in modern economic life. Present income is saved for the future, thus reducing the enjoyments of the present but in the hope of increasing the enjoyments of the future. Buildings, factories, machines, and many other improvements are brought into existence for future use. Crops are planted and livestock are produced all because of their importance in providing things that may

satisfy the wants of men at some future time.

Wars are fought so that the errors of the present may not be continued into the future. People sacrifice in the present to shake off the impositions of the present or to avoid the feared impositions of the future. All such action is for the purpose of making the future more to our liking.

Each day, man passes on to the future a heritage in actions which will affect the future well-being of those who enjoy the future. The richness of the future will depend upon the wisdom of present actions which are passed on to the future and which condition the well-being of mankind when the future becomes the present.

BASKETBALL SQUAD LEAVES FOR FOUR NORTHWEST GAMES

WILDCATS TO MEET WASHINGTON AT SEATTLE FRIDAY

Squad Will Play Second Contest in Seattle Against State College and Also in Missoula, Bozeman

With an early season's record of four victories and no defeats, nine members of the Kansas State basketball squad, under the direction of Coach Jack Gardner and O. L. "Chili" Cochrane, left Monday night for Seattle, Wash. They will meet the University of Washington team Friday night in the first of four games to be played in the Northwest.

On the trip, over 4,000 miles in length, the Wildcats also will play Washington State college at Seattle, the University of Montana at Missoula, and Montana State college at Bozeman.

NINE PLAYERS MAKE TRIP

The players who will make the trip are: Jack Horacek, Topeka; George Mendenhall, Belleville; John St. John, Wichita; Fred Kohl, Kansas City, Mo.; Dan Howe, Stockdale; John Bortka, Kansas City; Marlo Dirks, Moundridge; Kenneth Messner, Arkansas City, and Larry Beaumont, El Dorado.

The Kansas Staters chalked up their fourth victory of the season Monday night when they routed the Washburn Ichabods, 48-29, in Nichols Gymnasium.

Bruce Holman led the Wildcat scoring combination in the game, making seven goals and a free throw for 15 points. The Ichabods, after a short-lived scoring spree in the early minutes, which netted them a 5-0 lead, never regained the lead after losing it midway in the first period.

After holding a 20-12 half-time lead, the Wildcats started the scoring in the second period and ran the score up to 27 points before the Ichabods were able to connect. The Washburn squad was never within 12 points of the leaders during the rest of the game.

The broadcasting of the K-State-Washburn game over WIBW Monday night marked the first time that a radio station other than KSAC has carried play-by-play reports.

HILTON HODGES BROADCASTS

Hilton Hodges, WIBW staff member who has broadcast several state high school basketball tournaments, described the games from a newly-constructed booth in Nichols gymnasium. Because of previous commitments earlier in the evening, the game was transcribed in Topeka and put on the air starting at 10:15 p. m.

The broadcasts will be welcomed by many Kansas State fans. Limited space in Nichols gymnasium has forced a "students only" rule for Kansas State College basketball games for a number of years. No tickets are sold to outsiders. The gymnasium is more than 1,000 seats short of being able to take care of the school's own student body.

Howe Gives Two Talks

Dr. Harold Howe, professor in the Department of Economics and Sociology, spoke at a district Outlook and Planning meeting in Abilene December 10. He also talked at the County Farm Bureau stag supper in Kinsley December 15.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Man. Wednesday, January 7, 1942

Number 14

DEAN J. E. ACKERT PRESENTS PAPER BEFORE PARASITOLOGISTS MEETING

ZOOLOGIST DISCUSSES RESISTANCE TO TYPES OF WORMS

Prof. L. E. Melchers Reads Report on Sorghums While Dr. R. K. Nabours Addresses Genetics Society of America

Dr. J. E. Ackert, dean of the Division of Graduate Study, gave his presidential address on the "Natural Resistance to Helminthic Infections" before the American Society of Parasitologists during the 110th annual meeting of the American Association for the Advancement of Science in Dallas, Texas, December 29 to January 3.

Doctor Ackert's paper reviewed published work on the subject and research recently conducted on it at Kansas State College. He pointed out that resistance to infection by helminthic or parasitic worms is affected by diet, genetic constitution and age.

NUTRITION PLAYS ROLE

Positive evidence for the first time of the part nutrition plays in the natural resistance of animals to parasitic worms was found in research carried on at the College from 1924 to 1927. Experiments at this time proved that a cereal ration supplemented with meat meal and skim milk produced chickens that were very resistant to *Ascaridia galli* (worms), Doctor Ackert said.

In the resistance to flatworms and roundworms, many attempts have been made to explain the age factor but the results of research carried on by Doctor Ackert and his co-workers in the past three years are the most satisfactory. Gland cells found in the lining of the intestines of chickens secrete a mucus which contains a substance that retards the growth of young worms, the retiring president said.

Besides Doctor Ackert's paper other reports were presented at the three day meeting by College faculty members. Prof. L. E. Melchers, head of the Department of Botany and Plant Pathology, read a paper on the "Production of Disease Resistant Sorghums." Professor Melchers was chairman of the section on Cereal and Forage Crop Diseases of the American Phytopathological society. His exhibit representing 12 years of research on the milo diseases of sorghums was shown at the meeting.

NABOURS TALKS ON GENETICS

Dr. R. K. Nabours, Department of Zoology, and Mr. Charles M. Good of Texas A and M College presented a joint paper at the meeting of the Genetics Society of America, an affiliated society of the association.

Dr. Roger C. Smith, professor of entomology, attended the meeting as the delegate of the Kansas Academy of Science.

Other members of the College faculty who attended the association meeting were Dr. O. H. Elmer, Dr. J. C. Frazier, Dr. F. C. Gates, Dr. E. C. Miller, Dr. J. C. Bates and E. D. Hansing of the Department of Botany; Dr. Mary T. Harman, Dr. A. L. Goodrich and Dr. D. J. Ameel, Department of Zoology; Prof. S. W. Decker and Dr. W. F. Pickett, Department of Horticulture; Prof. C. O. Johnston, associate pathologist, United States Department of Agriculture, and cerealist in the Kansas Agricultural Experiment station, and Miss Dorothy Swingle, student.

Dean and Six at Meeting

Dean R. R. Dykstra and six other members of the Division of Veterinary Medicine attended a meeting of the Kansas Veterinary Medicine association in Wichita Monday and Tuesday. The six faculty members were Dr. J. H. Burt, Dr. L. M. Roderick, Dr. J. W. Lumb, Dr. E. E. Leasure, Dr. E. R. Frank and Dr. S. J. Roberts.

Pippin Will Return

C. A. Pippin, instructor in the Department of Mechanical Engineering who was called into the army last October, is expected to return to his work here shortly.

Three Engineers Have Jobs

Warren Acker of Junction City, Carl E. Alleman of Kansas City, and John B. Rush of Haviland have accepted positions with the Phillips Petroleum company, Bartlesville, Okla., beginning February 1. All men are seniors in chemical engineering and will complete work for their degrees in January.

DEAN H. UMBERGER WILL PRESIDE AT VICTORY GARDEN CONFERENCE

Extension Service Head Is Appointed by Gov. Payne H. Ratner to Plan State Program

Dean H. Umberger, director of the College's Extension service, will preside at a "State Victory Garden" conference called by Gov. Payne H. Ratner for January 12 in Topeka.

Purpose of the conference, which begins at 10 a. m. in the Hall of Representatives, State House, is to outline and put into effect a "food for freedom" program that will be a part of the Kansas civilian war effort. Extension services of land grant colleges are taking the initiative in all such state projects. The Kansas program is in harmony with the nation-wide plan worked out in Washington last month.

Dean Umberger and the extension division staff will take over the directional leadership of the project in Kansas and will work with the State Council of Defense, local defense councils, governmental agencies, educational and agricultural groups, the press, and agencies whose members will participate.

"The scope of the program," said Governor Ratner, "will include a garden on every farm, a home garden for each family living in a town where suitable land is available and community gardens for school lunches and other defense purposes."

Governor Ratner said that success in carrying out the program will depend upon the individual efforts of thousands of persons. "The program," he pointed out, "is not designed to be competitive with the market for commercial products."

ROYAL PURPLE MAKES HONOR ROLL OF NATION'S 10 BEST YEARBOOKS

Don Makins, Now in Naval Reserve, Edited Publication; Byron White Was Business Manager

Kansas State College's yearbook, the Royal Purple, was among 10 college annuals placed on the Honor Roll of Distinction, a new award taking the place of the Pacemaker of recent years.

Kansas was the only midwestern state represented on the Honor Roll. Others were California, Nevada, Pennsylvania, South Carolina, Maryland, Oregon, Illinois and Florida.

Editor of the yearbook was Don Makins, now in the United States Naval Reserve. Business manager was Byron White, now in Schenectady, N. Y.

The yearbook won the Pacemaker award the three consecutive years it was entered in the contests from 1936 to 1939. Since the discontinuance of the Pacemaker award, the National Scholastic Press association has attempted to find some custom whereby outstanding books could receive the special honor they deserve.

Under the Honor Roll of Distinction plan, the outstanding features or points, unusual treatments, not according to any set scheme but just as they impress the judges, will be listed.

Request Collegian Applications

Prof. R. I. Thackrey, chairman of the Board of Student Publications, has requested that applications for second semester positions of editor and business manager of the Kansas State Collegian, semi-weekly student newspaper, be filed in his office before Saturday. The board is expected to meet early next week to consider appointment of the student editor and manager for the coming semester.

FARM AND HOME WEEK TO BE FEBRUARY 3 TO 6 THIS YEAR

APPROXIMATELY 2,000 INDIVIDUALS ARE EXPECTED

"Developing Social Useful Citizens" Is Home Economics Project Theme; Russell Wiggins To Speak at Assembly

Farm and Home week at Kansas State College this year will be held February 3, 4, 5, and 6, according to an announcement from Dean H. Umberger, director of the extension service.

Approximately 2,000 extension-farm bureau members are expected to attend the campus event, Dean Umberger predicted.

MANY SPECIAL MEETINGS

The 1942 schedule, which has been developed on the basis of the 73 years this event has been held in Kansas, will include agricultural and homemaking subjects for discussion. Special meetings in dairying, poultry, rural electrification, beekeeping, agronomy, and livestock are arranged.

The home economics program theme this year, "Developing Social Useful Citizens," will be carried out with meetings and exhibits each day during the 4-day conference.

Authorities on both farming and homemaking subjects will talk and lead discussions, said L. C. Williams, assistant director of the extension service who is in charge of Farm and Home week.

WIGGINS WILL APPEAR

Russell Wiggins, managing editor of the St. Paul (Minn.) Pioneer Press will be a principal speaker at the general session Friday afternoon and at the Journalism conference banner.

(Continued on last page)

President Talks at Minnesota

Pres. F. D. Farrell gave the mid-winter commencement address at the University of Minnesota December 18 in Minneapolis. His subject was "The Expert Is Sometimes Wrong."

J. M. NICHOLSON, M. E. '12, NAMED TO SANTA FE RAILROAD POSITION

Graduate Promoted from General Assistant in Mechanical Department to Chicago Job

J. M. Nicholson, M. E. '12, has been promoted from general assistant in the mechanical department of the Santa Fe Railroad company, to assistant to the operating vice-president in Chicago. Dean L. E. Conrad of the Division of Engineering and Architecture recently received a Santa Fe order announcing Mr. Nicholson's promotion effective January 1.

Mr. Nicholson began his work with the Santa Fe as computer, laboratory assistant and foreman in the test department after graduation. Since then he has been fuel supervisor, assistant engineer of tests, fuel conservation engineer, master mechanic, and mechanical superintendent.

The Kansas State College graduate is chairman of the Association of American Railroads Committee on the Utilization of Locomotives and Fuel Conservation. He is also a member of the A. A. R. committee on the further development of the reciprocating steam locomotive and the American Society of Mechanical Engineers, and is a member and past president of the International Railway Fuel Association and the Traveling Engineers' Association.

Born in Scranton, Kan., Mr. Nicholson is married, has two daughters and lives in Chicago.

DEFENSE COUNCIL CONSIDERS PRACTICE CAMPUS BLACKOUTS

PRELIMINARY PLANS ARE BEING ORGANIZED

Dean L. E. Conrad, Chairman, Says That Protective Measures Will Be Worked Out for Any Emergency

Preliminary plans for organization of the College facilities and personnel for protection against any threat which might arise from the war emergency, including plans for a practice blackout, are being drafted by the College Defense council.

The plans, subject to change and expansion, also call for creation of an emergency medical unit, improvement of fire fighting facilities and other precautionary measures.

NEED ADEQUATE PLANNING

Dean L. E. Conrad, head of the Division of Engineering and Architecture, and chairman of the College Defense council, explained that the protective measures were being planned not because it was expected they would be needed, but because of the disaster which would result if a war emergency should occur here without adequate planning for protection.

"We hope," he said, "to make these plans so complete and so familiar to all concerned that an alarm would find every person instantly ready and prepared to do the part assigned to him."

Dr. M. W. Husband, chairman of the committee on medical care and hospitalization, reported complete organization of College personnel ready to be formed into a working unit on very short notice.

TO PROTECT BUILDINGS

G. R. Pauling, chairman of the committee making plans for protecting lives and buildings from fire and other hazards, reported progress and pointed out that fire fighting equipment requested last spring is now being added. Since December 7, the fire fighting squad has been expanded.

Dean Margaret Justin of the Division of Home Economics reported plans for the organization of a kitchen unit.

The committee planning an alarm and communications system, under the direction of Prof. R. I. Thackrey, announced it was working to coordinate measures and methods with those drawn up by city, county and probably Ft. Riley officials.

NEW DEFENSE COURSE

Meanwhile Prof. W. W. Carlson, head of the defense training work at the College, announced that work in cost accounting will open as soon as the minimum number of students have made application for the course.

Tuition fees for the intensive, short course are paid by the government with only the personal expenses and small supplies costs to be met by the student. Prerequisite for admission to the accounting course is six hours of college credit in elementary accounting principles or its equivalent in business experience. Enrollment is limited to 40 students, Professor Carlson said.

Objective of the course is to teach the elements of cost accounting techniques to the student. Special application to business concerns producing defense materials will be included in the course. Different phases that fit the special needs of the student and the business firms concerned will be considered in the course, said Prof. H. M. Stewart, who is in charge of the cost accounting course.

PIGEONHOLE PATROL IDEA

Plans to organize R. O. T. C. night patrols on the campus have been pigeonholed—at least "for the time being," said Dean Conrad.

"Owing to difficulties in setting up a patrol system composed of R. O. T. C. students," Dean Conrad explained, "it has been decided for the time being to handle the necessary policing through the office of the superintendent of maintenance."

WHY RATIONING?

By W. E. GRIMES
Department of Economics and Sociology

Americans are getting their first taste of rationing as restrictions are placed on the purchase of new automobiles, and tires and tubes. The question naturally arises as to the necessity of such action. The necessity is based on the hard facts which confront this nation. Automobiles are needed for war purposes and the nation cannot make all the automobiles people want and also all the war materials needed.

Rubber is an essential war material. Most of the rubber used in this country comes from foreign sources. The supplies on hand and which may become available within the near future may prove adequate for all needs. Consequently, it becomes necessary to conserve supplies so that they will be used for the most important purposes.

If rationing were not imposed, dependence would have to be placed upon price as a control. In the case of rubber, for example, if prices were permitted to serve as a control on the uses of rubber and the supplies were inadequate for all needs, prices would rise abruptly and rapidly. To obtain needed rubber in sufficient quantities for the use of our armed forces, the government might have to outbid all other possible purchasers. The result would be extremely high prices for rubber. Even under such conditions the government would have no assurance that the needed rubber would be available. Some of the crude rubber available would be manufactured into products that would be unsuited to the needs of our armed forces. This would result in some of the available rubber being used for purposes that are of secondary importance in the present emergency.

The usual American has come to look upon his automobile as a necessity. He dislikes to be without its use. Consequently, if permitted to follow his own wishes he will purchase the tires and tubes needed to keep it operating satisfactorily or purchase a new car even though he may have to pay much more than the usual price. His use of an automobile may not be particularly important to the nation as a whole. There may be and undoubtedly are much more important uses for the automobile or the rubber which he would buy if left to his own free choice.

Another difficulty frequently arising when a shortage of an article in common use appears probable is the tendency to hoard it. Hoarding takes many forms. Dealers may stock more than the usual quantity. In a free market this is good business practice. But when a vital product is concerned, the results accentuate the problem by tying up supplies in forms that are doing little immediate good. Individuals tend to hoard by buying before products are needed and holding the new purchases in reserve until they may be needed. This is good practice for the individual if a free market is to prevail, but in an emergency such as the present this practice further complicates the problem of getting the available material into the most urgent uses.

The only sensible solution in such a situation is to impose government controls and then to designate the uses that are to be made of the available supplies according to the relative importance of these uses. This is rationing. It may be disagreeable to some, but it is a necessary action if this nation is to do its part in the present emergency. The patriotic American will welcome such rationing when he understands the necessity for it, and walking a few blocks or staying at home rather than taking a joyride may become a common way of expressing patriotism. It is to be expected that the needs of essential industries, even though they may not be directly related to the military and naval forces of this country, so far as possible will be provided with their needed supplies on a minimum basis. America is at war and war-time measures are required if the job is to be done. Rationing is a necessary war-time measure.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY Editor
HILLIER KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT Associate Editors
KENNEY FORD Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni Association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, JANUARY 7, 1942

FOR THE IDES OF MARCH

Between January 1 and March 15, 1942, millions of American taxpayers will begin to learn something about what the war will cost them in taxes. It will be only a beginning but it will be impressive. The Ides of March in 1942 will be distinctly gloomy for these taxpayers.

Some melancholy comfort may be derived from a statement published last December by the British Library of Information regarding taxes in Great Britain with some comparisons with United States income taxes for the year 1940. In that year an American can who received a salary of \$4,000 a year paid a \$120 income tax. Then he went to England and worked for a salary of 1,000 pounds, worth \$4,000 at the current rate of exchange. His English income tax on that salary is \$1,424, or almost 12 times what he had paid in the United States on an equal salary the year before.

The British statement shows that for 1941, the British taxpayer receiving a salary of \$2,000 will pay an income tax of \$620 if he is single and \$500 if he is married but has no children. Also British taxpayers must pay a 33 per cent sales tax on non-essentials (18 cents on a package of cigarettes, for example) and a 16 per cent sales tax on essentials, eight times the Kansas sales tax rate. In Britain the annual license tax on a Ford car is \$110 and the tax on gasoline is 15 cents a gallon.

When the Ides of March comes around, these figures may help us to withstand the shock of our own income taxes. The latter should help us to free ourselves from the common delusion that what we get from the Federal government doesn't cost us anything.

BOOKS

As a Naturalist Sees Us

"About Ourselves". By James G. Needham. The Jaques Cattell Press, Lancaster, Pa., 1941. \$3.00.

After serving for more than 40 years as a student and teacher of biology, Prof. James G. Needham of Cornell has brought together in a moderate sized book a mass of evidence in support of his contention that "We are something more ethereal than 'featherless bipeds' and something more substantial than 'such stuff as dreams are made on'". He holds that we are bound to all animal life by common bonds but distinguished from it by mental and spiritual capacities that make possible a social order. He offers no plans for the improvement of human nature, for he believes that "Mother Nature would not be very regardful of them".

The world of animal nature, from the amoeba to man, is discussed from the point of view of a naturalist who has specialized in the study of characters and phenomena common to both man and animals or distinctive of one or the other. The reader gains the impression that while there are, of course, abundant distinctions there are indubitable similarities that have profound social significance.

Being a sound naturalist, Professor Needham contends that "Man rises above the animal level as he learns the ways of nature and adapts himself to them. He does not and cannot change them: he can only use

them as he follows them, adapting his plans to her fixed conditions. His 'conquests' of nature are all in fact but conquests of his own ignorance. . . . They are contributions to that great body of social nurture that takes man as nature leaves him, a barbarian, and makes of him a citizen".

To students of biology there is little in the book that is new. But the extent to which the author condenses and correlates a multitude of biological facts is quite astonishing. The orderliness of his presentation is admirable. The non-technical language and the effective illustrations (by William D. Sargent) make the book easy to read, even for a person having little knowledge of biology.

The book is divided into two parts: man in his biological aspects and society in its biological aspects. As the components of social behavior, the author discusses physiological activities, instincts, folkways and reason, each of which is always in operation in the eternal quest for happiness. The deep springs of human conduct are embodied, the author says, in the instincts: "The normal and proper exercise of the primal altruistic racial instincts is the chief basis of human happiness. The consuming joy that lovers find in each other's company, the captivation of a baby's smile—of one's own baby's smile—the sense of belonging within the family circle: these are far older than church or state or any other artificial products of the social order. They are the products of a natural evolution. They are the greatest of God's good gifts to human kind."

To know the facts presented in this interesting book helps one to understand the infinite complexities of human behavior, to be tolerant of human imperfections and to be patient with the slow and painful progress toward social improvement.—F. D. Farrell.

FLAG ETIQUETTE

When the flag is flown from a staff, the union, or field of stars, should be at the tip of the staff.

When the flag is suspended over a sidewalk from a rope extending from a house to a pole at the edge of the sidewalk, the flag should be hoisted out from the building toward the pole, union first.

When the flag is displayed from a porch or window, it should be displayed flat and in either a vertical or a horizontal position with the union uppermost and to the observer's left.

The flag should never be used as drapery, or draped over the hood, top, sides or back of a vehicle; it should not be used as part of a costume nor embroidered upon cushions or handkerchiefs, nor printed on paper napkins or boxes.—The Kansas City Star.

HOW TO READ FASTER

Experts suggest these four steps to individuals wishing to read faster: (1) keep lips still while reading; (2) read whole phrases at a time; (3) deliberately try to read faster than usual; and (4) concentrate.—From the Pathfinder.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Ralph S. Hawkins, '14, an agronomist at the University of Arizona, Tucson, Ariz., was on a year's leave of absence working toward his Ph. D. degree at the University of Wisconsin.

Prof. C. H. Scholer of the Department of Applied Mechanics attended a conference called by Pres. Herbert Hoover on home building and home ownership in Washington, D. C., in December.

Prof. D. L. Mackintosh of the Department of Animal Husbandry went to Ogden, Utah, where he supervised a meats exhibit of the National Livestock and Meat board at the Inter-Mountain Livestock show.

TWENTY YEARS AGO

Prof. R. L. Hensel, in charge of pasture management, left during the Christmas holidays on an extended trip to Texas and Old Mexico. He acted in the capacity of adviser concerning projects dealing with pasture and grazing lands.

Prof. N. A. Crawford, head of the Department of Industrial Journalism, was elected president of the American Association of College News Bureaus, and reelected secretary and treasurer of the American Association of Teachers of Journalism, at

This picture is not so true of Rural America. There individuals are still known in relation to their families and their success or failure is often affected greatly by their family. The members, because of the economic situation of farm life, are together more of the day. Expression of sympathy and of mutual aid is likely to grow out of their very necessity to each other. In times of stress they are likely to be of greater comfort and help to each other.

Often all members of an urban family work outside the home and no two in the same place or at the same kind of work. In this case the members have different needs, interests, tastes and different attitudes.

In the farm family more often the success of the agriculture enterprise on which the home depends and toward which all contribute makes a strong common bond. Here youth learns to subject his own personal desires to the end of the greatest good for the whole family.

In times of economic stress, since there is usually plenty of work on the farm, many young people are assisting their parents for small remuneration until such time as they are able to get work elsewhere. Surely this employment gives more security and self respect to youth than

meetings of the two organizations held in Madison, Wis.

Joe S. Montgomery, '07, resigned from the extension department of the University of Minnesota to accept an appointment as field representative for the newly organized Central Cooperative Commission association of South St. Paul.

THIRTY YEARS AGO

William A. Lippincott, formerly head of the poultry department at the Iowa Agricultural college, was appointed professor of poultry husbandry at this College.

Glen E. Edgerton, lieutenant en-

SCIENCE TODAY

By MARY ELSIE BORDER
Assistant State Club Leader
Division of College Extension

"The weakness of the modern family is caused by the loss of many of its original functions," wrote W. F. Osgburn in "The Changing Family" (The Family Magazine, July, 1938.) He named these original functions as (1) economics, (2) status giving, (3) educational, (4) religious, (5) recreational, (6) protective, and, (7) affectional. He further said, "The family still remains the center of the affectional life and is the only recognized place for producing children."

Is it not entirely possible that these seven functions were rather heavy for effective family life and with the loss of several the remaining more crucial ones may be better performed?

Enough functions are left, especially in the rural farm family life, to make it effective and happy. The rural farm family is important enough to justify consideration since the farm population makes up 25 percent of the total population and also since the rural family produces more children per family than does the non-rural family.

We are accustomed to hearing that the former economic function of the home has gone to the factory, store, office and restaurant. This may be true in the city but not completely so in rural areas. There are more than six million farm homes in which it is still practical to prepare and serve most meals due to low cash income, production of many food products on the farm and the distance to and desirability of restaurants and eating places. Cleaning, laundry, mending, food preservation and storage and some sewing are likely to remain a part of every farm home-maker's duties.

City life presents isolation and heterogeneity. In addition, communication from the outside world brings, by means of the radio, publications and moving pictures, the customs of other places. The result is an individualization of the family's members.

The individual no longer has his moral problems solved for him by his family group. He must figure out for himself right from wrong. This calls for high intelligence and ability to think in an emotional situation.

This picture is not so true of Rural America. There individuals are still known in relation to their families and their success or failure is often affected greatly by their family. The members, because of the economic situation of farm life, are together more of the day. Expression of sympathy and of mutual aid is likely to grow out of their very necessity to each other. In times of stress they are likely to be of greater comfort and help to each other.

Often all members of an urban family work outside the home and no two in the same place or at the same kind of work. In this case the members have different needs, interests, tastes and different attitudes.

In the farm family more often the success of the agriculture enterprise on which the home depends and toward which all contribute makes a strong common bond. Here youth learns to subject his own personal desires to the end of the greatest good for the whole family.

In times of economic stress, since there is usually plenty of work on the farm, many young people are assisting their parents for small remuneration until such time as they are able to get work elsewhere. Surely this employment gives more security and self respect to youth than

would idleness, so common among city boys and girls.

Young people need to be taught to rely on their own thinking in meeting life's problems. Rural youth has an intimate conception of the values of life due to his close relation to his parents' vocation. Children still may be an economic asset in rural communities. This can scarcely be doubted when the value of 4-H projects in Kansas in 1941 was \$1,347,217.00.

These practices make the youth conscious of his or her importance and of the importance of the activity in the welfare of the home and community and leads him to manifest those qualities of worth and integrity which make character. The 4-H program provides youth with opportunities to share home and farm responsibilities and gives them a part in solving home and community problems and builds companionships between parents and children.

The rural farm family has a further chance of being held closer together and being a more powerful social unit due to the mother's economic importance.

Rural women are still the protectors of the health and well being of their families. There are more than a million rural women in the United States enrolled in home economics extension courses and 750,000 girls enrolled in 4-H home economics work not to mention the women and girls enrolled in a vocational home economics course studying nutrition in order that their families may be adequately fed to protect them to some extent from tooth decay, colds and diseases common to malnutrition. They are also planting gardens, canning, preserving, and storing fruits, vegetables and meats. Their programs include study of the care of the sick, child care and feeding, family relationships, consumer buying, care and construction of clothing and all those subjects which go with the rural homemaker's job of keeping her family healthy and happy.

The rural family still has some recreational life together. Undoubtedly they tend to participate as a group outside the home more than do city people. Since taxis and buses are not too accessible in rural areas the one-family car is likely to take the entire group at the same time to more places than is the automobile of the city family. Distance from friends and community institutions tends to make farm family life more self contained. Holiday celebrations, picnics, church affairs and the gathering of near relatives are more common in rural areas. A community meeting attended by young and old is still not an unknown thing in Rural America.

The fact that one fifth more rural families own their own homes than do urban families gives a stability to family life as greater security is usually associated with less mobility.

Perhaps the fact that farming is inherited more commonly than other occupations influences the family life stability and strengthens family ties between generations.

With the lessening of numbers of functions of the home may come better performance of those left. The rural father and mother may now be freed from over many menial duties to devote the extra time to the real duties of a mate and parent, to provide happiness for the young since personality is made by the environment.

Of Doctor Osgburn's original family functions, the farm family still has left, besides the affectional which he agrees all families have, the following in at least some degree: economic, status giving, protective and recreational.

Engineering corps, U. S. A., stationed in Valdez, Alaska, spent the holidays in Manhattan with his parents. Lieutenant Edgerton is a graduate of this College.

FORTY YEARS AGO

Prof. J. T. Willard was elected president of the Kansas Academy of Science at its annual session at Iola.

The Manhattan Poultry association elected the following officers: President, Professor Cottrell; vice-president, B. W. Smith; secretary, W. A. Lamb; treasurer, George Flatter.

May Haines Bowen, '96, was graduated from the University of Chicago

with the degree of bachelor of arts.

FIFTY YEARS AGO

James W. Wilson and Mrs. Wilson, Chicago, were guests of Professor and Mrs. Nichols. Mr. Wilson was editor of Farm, Field and Stockman.

R. Snyder, '90, was teaching the Woodstock school, near McLouth, Jefferson county.

SIXTY YEARS AGO

The College was represented at the meeting of the State Teachers' association by President Fairchild and Professors Ward, Shelton and Popenoe.

The Scientific club heard papers by the following: Professor Walters, "The Selection of Colors;" Doctor Blachly, "Notes on Ornithology;" S. C. Mason, "The Dakota Group."

KANSAS POETRY

Robert Conover, Editor

ANY EVENING NOW

By Irma Wassall

Played by Pagliacci fingers, a piano, Heart of an orchestra, beats through the air. In a moment more there will be news of battle, The headlines of advance, setback. I tear My thoughts from unthinkable destruction And from the nightmare Nazi Juggernaut (Surely we must waken and it will not be true) That has not yet been stopped in its onslaught. Here the sky is quiet with stars and a soft wind Blowing over the green land. A book May hold the questing eyes: John Brown's Body And the Battle of Gettysburg! Where can one look For something not of war? Turn off the music Before a voice speaking of war can shew It from the air. But I hear, as if continued After the switch is turned, "While there's love . . ."

Irma Wassall of Wichita has contributed verse to many leading publications. Her more recent markets include Common Sense, Mexican Life, Commonwealth, Good Housekeeping. She is a correspondent for Down Beat, Chicago music magazine.

SUNFLOWERS

By H. W. Davis

A MUST

Now is the time for all good men and good women to come to the aid of the business in hand and get New Year's resolutions over and out of the way.

Important Think No. 1 to remember about resolving is that "resolving not to" seldom succeeds. Imagination is many times as strong as will, say the psychologists, who greatly enjoy pretending to know about such things. The trouble with "I will not eat another piece of candy" is that the last five-eighths of it tells us to "eat another piece of candy." And, first thing you know, you have done just that, and put on more than you took off all last week.

Your resolution should be: "I will eat more grapefruit, dry toast, vinegar cubes, vinegar cubes, dry toast, and grapefruit—and such like things." There's no imagination to that. It's stark realism and revulsion, and will very likely end in your not eating anything.

My reason for using the trite subject of reducing as illustrative matter is this. Trite, or fresh and intriguing, reducing is going to be terribly popular during 1942. Paunches, purses, car mileage, all things, were faint shadows of their former selves long before 1942 was an hour old.

But it may not be as bad as one is prone to first-guess. The current half of the twentieth century will doubtless go down in books as an era of too many fool conveniences and gadgets to bother with.

Nineteen forty-two will mark the beginning of a break for those who believe that contentment lies, at least in part, in getting along without conveniences and gadgets poured upon you by ten thousand super-salesmen from hither and yon.

My suggestion for a resolution is: "I will have a lot of real fun getting along without a lot of things I don't need. I will enjoy living simply, frugally, and sensibly, and helping my country out with whatever is left over."

AMONG THE ALUMNI

William Arthur Coe, B. S. '96, recently moved from Yates Center, Kan., to 8624 Oriole avenue, St. Louis, Mo.

Roy H. Clark, E. E. '07, is assistant engineer of operation, Commonwealth Edison company, Chicago, Ill. He has been with the company 34 years. He and Edna (Pfautz) Clark live at 6128 N. Paulina, Chicago.

J. W. Howard, f. s. '10, and Mrs. Howard are proprietors of the Howard hotel, Brigham, Utah.

James Morton Nicholson, M. E. '12, and Margaret (Borst) Nicholson live at 2231 E. Sixty-Seventh street, Chicago, Ill. Mr. Nicholson is general assistant in the mechanics department for the Atchison, Topeka, and Santa Fe Railway company.

Dr. R. R. Houser, D. V. M. '14, has a large and small animal veterinary practice in Tulsa, Okla. The Housers live at 1312 South Jamestown, Tulsa. Last summer they visited in Manhattan.

L. H. "Zane" Fairchild, Ag. '16, left Omaha, Neb., where he was district sales manager of the Allied Mills, Inc., September 1, and is now in Peoria, Ill., where he is doing research work. He, Mildred (Cady) Fairchild and children may now be addressed at 1644 Glen Oak avenue, Peoria, Ill.

Dr. William F. Pickett, Ag. '17, M. S. '23, professor and head of the Department of Horticulture, Kansas State College, last fall was elected a member of the executive committee, American Pomological society. This organization covers both United States and Canada and has been continuously active since 1848. It is the oldest agricultural organization on the continent. Doctor Pickett and Alva (Cooper) Pickett, '17, live at 1119 Thurston, Manhattan.

Walter W. Houghton, Ag. '18, is now located at Dodd street, Middlebourne, W. Va., where he is connected with the Metropolitan Casualty Insurance Company of New York. Mrs. Houghton, formerly Ruth Wolfe, is a former student of Berea college, Berea, Ky.

Gordon W. Hamilton, M. E. '19, and Vera (Olmstead) Hamilton, H. E. '19, are joint owners of the Mansard Inn, Plainfield, N. J. A letter they sent out recently included the following: "A lovely old Mansard house at 731 W. Seventh street remembers this week the hospitality for which it was built in 1870. We can give you again some of the good things of those days—pleasant rooms, home made breads and jellies, church social oysters and ice cream, fried chicken with wishbones and drumsticks and lots of old-fashioned gravy. The coal oil lamp is lighted in the parlor. Do come and bring all of your folks."

William R. Folck, E. E. '20, is in charge of the engineering department and five other departments with the Central Illinois Light company, Peoria, Ill. He and Mrs. Folck have two children—James L., 16, and Donna, 14. They live at 4001 Prospect road, Peoria Heights, Ill.

Elmer D. McCollom, Ag. '21, is field manager in the Peoria, Ill., branch office of the farm loan division, Metropolitan Life Insurance company, New York. He lives in Peoria at 301 S. Adams street.

D. D. Murphy, Ag. '22, M. S. '35, and Josephine (Powers) Murphy, '25, live at Oswego, Kan., where Mr. Murphy is superintendent of schools. Mr. Murphy, former Kansas State College football player, has since graduation been coach and teacher at Junction City and Chanute and superintendent at Gardner.

C. C. Davidson, E. E. '23, is operator with the Utah Power and Light company, Ashton, Idaho. Mr. Davidson also farms 140 acres and is catcher on a baseball team. He and Mary (Booth) Davidson, f. s. '21, have seven children.

Glenn O. Hoffines, G. S. '24, is vice-president and director of the Michigan National bank, Battle Creek, Mich. He and Mary (Cooke) Hoffines are parents of Sally Ann, 9, and William Allen, 5. They live in Country Club Hills, Battle Creek, Mich.

Irvin B. Kirkwood, C. E. '25, 640 Elm street, Denver, Colo., is engineer with the United States Bureau of

Reclamation. His wife is Helen (Schumacher) Kirkwood, former student of the University of Michigan. They have one daughter, Shirley Jo, 14.

Eugene L. Brady, E. E. '26, is district engineer for the Illinois Bell Telephone company. He and Bessie (Smith) Brady, f. s., have their home at 1014 Fayette street, Springfield, Ill. They have two children—Betty Jean who was 12 in December, and Hubert Dale who will be 10 in March.

Edgar D. Bush, E. E. '27, and Josephine (Taggart) Bush, f. s., are at 421 Elwood avenue, Miami, Ariz. He is electrician with the Inspiration Copper company there.

Bess (Viemont) Morrison, M. S. '28, is assistant home economics specialist in the division of textiles and clothing, Bureau of Home Economics, Washington, D. C. In this capacity, she is technical assistant to the chief of the division. Her residence address is 120 Columbia avenue, Hyattsville, Md.

Hugh K. Richwine, Ag. '29, and Naomi (Cook) Richwine, I. J. '31, are living at 1305 Humboldt, Denver, Colo. Mr. Richwine is agricultural economist with the United States Department of Agriculture, in soil conservation work.

Paul A. Miller, E. E. '30, has a hobby of playing his one string violin on many amateur radio programs. He recently won a watch on Rubens program. He is president of Eddie Peabody Chicago Frets, a banjo club. He and June (Davis) Miller have two children—Jeanne, 5, Eldon, 3 1/2—and live at 1004 N. Monitor, Chicago, Ill. Mr. Miller is assistant engineer at the Commonwealth Edison company, Chicago.

Frank R. Condell, M. E. '31, and Clementine (Bacon) Condell, f. s. '31, live on a farm near El Dorado, Kan. They have a daughter, Martha Marilyn, born August 14, 1940. Mr. Condell's work is with breeding purebred Hereford cattle.

Merna M. Monroe, M. S. '32, is in Washington, D. C., Bureau of Home Economics, household equipment division, working with Lenore Sater in setting up specifications for performance-in-use tests for domestic ranges. She had formerly been doing research work in household equipment at the Maine Agricultural Experiment station, Orono, Maine.

John J. Heimerich, Arch. E. '32, is teaching engineering drawing and descriptive geometry at the University of Oklahoma, Norman, Okla. He and Audrey (Tedrow) Heimerich live at 441 S. Flood street, Norman.

J. W. Haupt, M. E. '33, is design engineer with the Cardwell Manufacturing company, Wichita. The Haupts live at 1006 Amidon avenue, Wichita.

William Doyle, G. S. '33, and Alberta (Hornaday) Doyle, have now been in Norton one year. Mr. Doyle is farm adviser of the Farm Security administration there. The Doyles have two children, Sally, 8, and John Patrick, 4.

B. B. Coale, D. V. M. '34, recently moved to 3569 Gundy avenue, Long Beach, Calif. Doctor Coale has a veterinary practice there.

Floyd V. Pinnick, Ag. '35, is administrative assistant of the farm security administration at Lincoln, Neb. He and Peggy (Parker) Pinnick, f. s. '35, live at 3024 O street, Lincoln.

Kathryn (Black) Pearson, P. E. '36, is now at Kingsburg, Calif., where her husband, Kermit Pearson, f. s. '34, is employed in the Bank of America.

Charlesanna D. Stewart, I. J. '38, is teaching in the high school at Stillwell, Kan.

Howard R. Stover, M. E. '39, 1705 La Porte, Whiting, Ind., writes, "After spending two years after graduation at the University of Illinois as a half-time research graduate assistant, I received a master of science degree in mechanical engineering. The greater part of my work there had to do with heating and air conditioning. On June 23, I started working for the Standard Oil Company of Indiana as a design engineer here in Whiting.

"The first night that I went to the boarding house for dinner, who should be sitting there, but George Kramer '39 who just recently started to work for a company in Whiting. Perhaps there are some more pleasant surprises in the vicinity of Chicago."

LOOKING AROUND KENNEY L. FORD

North Carolina Gathering

Kansas State College alumni and former students attended an evening meeting December 15 on the campus of North Carolina State college, Raleigh, N. C. Earl H. Hostetler, '14, was in charge. Others present besides Mr. Hostetler were Miriam (Hasling) Schmidt, f. s. '22; John E. Foster, '27, and Emeline (Flinton) Foster; Maurice A. Schooley, '38, and Frances (Berggren) Schooley; R. H. Reynolds, '11, all of Raleigh, and Kenney L. Ford, '24, Manhattan.

Georgia Alumni Meeting

A small group of Kansas State College alumni had a dinner meeting Tuesday, December 16 on the Georgia Tech campus, Atlanta, Ga. Those present were Jennie (Shoup) Hollingsworth, '15, Fred B. Wenn, f. s., and Verral (Craven) Wenn, '15, M. S. '26, of Atlanta; Oscar Steanson, '20, and G. I. Johnson, '28, Athens, Ga.; E. Wayne Frey, '28, and Frances (Webb) Frey, '29, Douglas, Ga.; Bessie (Hardman) Smith, '14, Commerce, Ga.; and Kenney L. Ford, '24, Manhattan.

Ford Addresses Texans

Robert R. Lancaster, '16, of College Station, Texas, arranged the Kansas State alumni meeting at a Saturday noon luncheon December 20, College Station.

Kenney L. Ford, Manhattan, showed campus pictures and gave a talk on Kansas State College activities.

Those registering included Mr. Lancaster, J. Wheeler Barger, '22, M. S. '23; Donald Christy, '33, and Helen (Shedd) Christy, f. s. '33; E. E. McQuillen, alumni secretary at Texas A and M; C. M. Good, Jr., '39, M. S. '41; F. A. Vaughn, '35; F. J. Benson, '35; W. E. McCune, '40; A. C. Magee, '24, and Grace (Constable) Magee, f. s.; A. H. Kerns, '26, and R. D. Turk, '33, all of College Station.

Houston, Texas, Dinner

Ray L. Smith, '24, sent the following list of Kansas State graduates and former students who attended a dinner meeting at which he was toastmaster in Houston, Texas, December 19:

W. A. Brinkman, f. s. '26, and Mrs. Brinkman, Missouri City, Texas; Fred Hederhorst, '30, and Georgie (Voshell) Hederhorst, f. s. '31, Baytown, Texas; Lt. Albert R. Henry, '40, Lt. Bertel E. Soderblom, '39, Capt. Temple F. Winburn, '29, M. S. '31, and Elizabeth (Lorimer) Winburn, '31, Victoria, Texas; H. M. Low, '24, Prof. Deg. '31, Freeport, Texas; Burl J. Snow, '37, Beaumont, Texas; V. O. Clements, '24, and Sylvia (Shields) Clements, f. s. '25; Lt. Hal H. Doolittle, '35, and Marjorie (Lyles) Doolittle, '32; H. K. Engleman, '36; J. H. French and Bertha (Davis) French, '11; Orrell Ewbank, '26; Frank P. Gross, '26; Harry L. Hasler, '33; Fred A. Irwin, '26, and Thelma (Williams) Irwin; Lt. Hal H. McCord, '34, and Ivalee (Hedge) McCord, '33; I. E. McDougal, '33, and Mrs. McDougal; Andrew J. McKee, '23, and Pauline (Brooks) McKee; J. M. Miller, '22, and Maude (Southerland) Miller; R. H. Peters, '24, and Marjorie (O'Neill) Peters, f. s.; J. W. Simpson, '06; Ray L. Smith, '24, and Zella (Kouns) Smith, '24; William W. Stanfield, '05, and Beulah (Pitman) Stanfield, f. s. '07; Spencer Wyant, '36, and Genevieve (Freed) Wyant, '38, all of Houston, and Kenney L. Ford, '24, Manhattan.

MARRIAGES

HAMM—BLATTNER

Julia Hamm, H. E. '40, and Ralph W. Blattner were married June 1. They live at Barnard, Kan., where Mr. Blattner teaches. Mrs. Blattner taught at Barnard last year.

FOWLER—DEAVER

Maudie Fowler, former University of Nebraska student, married Wayne X. Deaver, M. I. '41, June 2. They live at 209 Roger street, Bluefield, W. Va. Mr. Deaver is employed there with General Mills.

STRUNCK—MCKENZIE

The marriage of Margaret Strunk to Lt. John L. McKenzie, Com. '39, took place October 3. At the time of his marriage, he was stationed at

Randolph Field, San Antonio, Texas, but was moved December 15 to Midland, Texas.

GALLEMORE—SMITH

Isabel Gallemore, H. E. '28, M. S. '32, and Wayne W. Smith were married November 1. Mrs. Smith formerly held positions as home demonstration agent in Ottawa and Wellington. They now live at Copeland, Kan.

JAMES—HALVER

Madelyn James, f. s. '41, was married to Dr. Glenn C. Halver, D. V. M. '41, November 1, at the Alpha Delta Pi house, sorority of the bride. Doctor Halver, a member of Tau Kappa Epsilon fraternity, is state deputy veterinarian in Montana. The couple live at Glendive, Mont.

PFUETZE—PATZOLD

M. Elizabeth Pfuetze, H. E. & N. '34, was married to Gilbert W. Patzold in the Shatto chapel of the First Congregational church, Los Angeles, September 20. Mrs. Patzold was formerly a nurse in the Hollywood Presbyterian hospital. Their home is 313 N. Palm street, Ontario, Calif., where Mr. Patzold is administration clerk in the Air Corps' training detachment.

HICKS—PENNINGTON

The marriage of Media Hicks to John W. Pennington, M. E. '39, took place September 20 at Bowling Green, Mo., the former home of Mrs. Pennington. Mrs. Pennington graduated last spring from Bradley college in Peoria. Mr. Pennington is employed as a laboratory engineer at the Caterpillar Tractor company in Peoria, Ill. They now reside at 511 W. McClure, Peoria.

CULVER—PHILLIPS

Helen Culver was married to Morris W. Phillips, Ag. '39, at the First Methodist church in Wichita October 3. Mrs. Phillips, a former student of George Washington university, has been employed for the past four years by the Internal Revenue department, transferring from Washington, D. C., to Wichita in August, 1940. Mr. Phillips is with the production control department of Beech Aircraft corporation. Their address is Apt. 7, 2503 E. Douglas, Wichita.

JORGENSEN—KESSLER

Mary Jorgenson, H. E. '39, and Frank B. Kessler, Ag. '38, were married at the Methodist church, Manhattan, June 10. Mrs. Kessler is the daughter of Prof. and Mrs. L. M. Jorgenson, and while in College was a member of Mortar Board, Phi Kappa Phi, Omicron Nu, and Student Council. Mr. Kessler, a member of Farm House fraternity, was with the Farm Security administration after his graduation and is now in the mortgage department of the Equitable Life Insurance company. They are at home at 320 Second avenue, S. E., Watertown, S. D.

DEATHS

JOHNSON

Christian A. Johnson, B. S. '95, a banker and rancher of Russell, died November 3 at the home of a sister, Mrs. J. A. Butterfield, Kansas City. He is survived by Myrtle (Hood) Johnson, B. S. '97; their son, J. C. Johnson, Com. '32, Boulder, Colo.; one sister and two brothers.

OTIS

Daniel H. Otis, B. S. '92, M. S. '97, died November 20, from heart disease while registering at a Minneapolis hotel. At the time he was on a business trip in the capacity of director of the agricultural commission of the American Bankers association. He was to have retired in six weeks.

After graduation, Mr. Otis was an assistant in agriculture at Kansas State College and rose to professor of animal and dairy husbandry here. After managing a ranch at Oswego, Kan., he went to Madison, Wis., to be professor of farm management at the University of Wisconsin, where he was promoted to assistant agricultural dean before World war I.

During that war he went to France to do farm educational work with the United States Army, after which he joined the Wisconsin Bankers association as director of its banker-farmer exchange. Later, he became director of the national association.

Survivors are the widow, Mary (Lyman) Otis, B. S. '94, 1822 Chadbourn, Madison, four sons, and four grandchildren.

RECENT HAPPENINGS ON THE HILL

The December issue of the Kansas State Engineer was distributed this week. Articles include subjects on airplane factories, army clubs, the gasoline shortage, X-ray, defense training, a new cog railway locomotive, metals and frequency modulation.

Prof. W. W. Carlson, head of the College's defense training program, is asking women to train for defense industry work. Short, intensive tuition-free courses are offered in engineering drawing, material inspection, radio technology, cost accounting, chemistry of explosives, spectroscopy and X-ray.

Kansas State College students who are 20 or 21 years of age and faculty between 37 and 44 who have not registered for selective service will register February 16, the date set Monday by President Roosevelt. Prof. C. H. Scholer, head of the College selective service committee, expects word this week about plans for registration at the College.

The week's highlight of campus social life is the annual Military Ball Saturday night in Nichols Gymnasium. Arlin Ward, president of the Cadet Officers club, announced tickets were selling rapidly. A new feature of the ball will be an exhibition by a crack rifle drill group of 24 senior cadet officers before the presentation of the honorary cadet officers.

On a 3,000 mile trip to compete with four of the top-flight wrestling squads in the nation are 12 Kansas State College matmen with coach B. R. "Pat" Patterson. They left Monday by automobile and will be gone two weeks in which time they will meet Franklin and Marshall and Lehigh university in Pennsylvania, University of Michigan and Michigan State college.

After spending a cold snowy vacation in all parts of Kansas and other states, College students returned to a snow-covered campus on overloaded and underheated trains, buses and passenger cars. Current gripes among students included late trains and buses and frozen water pipes. Damage estimated at \$2,000 was caused by frozen water pipes at the Phi Kappa Tau house. Damage also was caused at the Sigma Alpha Epsilon house when the pipes froze and burst, but no estimate of the amount of damage has been made.

BIRTHS

A son, Loren Richard, was born November 9 to Loren B. Hefling, G. S. '24, and Mary (Kientz) Hefling of Delavan, Kan. Mr. Hefling teaches at Delavan.

Announcing the arrival of Frank Richard Covey, November 13, are Edith (McDaniel) Covey, H. E. '36, and Paul R. Covey, 1207 E. Norwood avenue, Peoria, Ill.

Fred V. Kilian, Ag

STUDENTS AND FACULTY HAIL CLASS V-7 IN NAVAL RESERVE

SENIORS MAY ENROLL AND STILL FINISH SCHOOL WORK

Kansas City Recruiting Officer Says
Only Cream of Crop Need Apply to
Fill Quota of 400 for This
Region

Announcement of the creation of Class V-7 of the United States Naval Reserve, enlistment in which would permit juniors and seniors to complete their college careers, was greeted enthusiastically by many Kansas State College men and with reserved approval by many faculty members.

Official announcement of the plan to procure "prospective candidates for appointment as Midshipmen, United States Naval Reserve," was received by Pres. F. D. Farrell from the Naval Reserve Recruiting agency in Kansas City.

NAVY NEEDS 7,000

"The Navy needs 7,000 seniors now in college, or college graduates, as prospective officers," the announcement said. "Seniors who enlist today will not be called to active duty before next June. They will thus have time to graduate."

"In addition, the Navy needs 7,000 men now in their junior year in college as prospective officers. If such students enlist today, it is contemplated they may complete their education and graduate in 1943, before being ordered to active duty other than during the period their college is closed in the summer of 1942."

Lt. Comdr. Nathan Young, officer in charge of the Naval Reserve Recruiting agency in Kansas City, said Monday that 151 persons had enlisted since December 21 and that the quota for Western Missouri and Kansas was 400. He added that the navy would accept "only cream of crop and candidates having officerlike qualities at time of enlistment."

WANT COLLEGE TRAINED MEN

Prof. C. H. Scholer, chairman of the faculty selective service committee, asserted that for juniors and seniors, who are not studying for a technical profession important to the civilian phase of national defense, the establishment of Class V-7 offers an opportunity to serve the country without abandoning their college careers. He pointed out that this class of students can actually serve the nation by contemplating work for a degree, since the Navy wants officers who are college graduates.

For engineers, veterinarians and other students in technical professions, Professor Scholer said civilian roles provide a prior claim upon the students' services. He emphasized that many men who are now juniors and seniors will be needed in the nation's vast production program and asked these students to consider how they can best serve.

CAMPBELL PRAISES PLAN

Lt. Col. James K. Campbell, head of the Department of Military Science and Tactics, indicated that the plan offered a good opportunity to men who desire to complete their college education before joining the armed forces. Other College faculty members pointed out the possibility that those enlisted as apprentice seamen in Class V-7, USNR, might suddenly find themselves in the active navy should the national emergency become extremely critical.

"At least two one-semester courses in mathematics of college grade" is a requirement for enlistment.

AG SHORT COURSE ATTRACTS 53 FROM WESTERN COUNTIES

Sears Roebuck Foundation Sponsors Work through Scholarships

Fifty-three counties in the west half of Kansas are represented at the short course in agriculture at Kansas State College from January 5 to 29. The course, with one representative from each county, is sponsored by the Sears Roebuck Agriculture foundation through awards of \$50 scholarships.

Sixty-four instructors will instruct the group in soils, crops, horticulture, animal husbandry, dairying, poultry, farm business problems, entomology and agriculture engineering.

Last year the scholarships for the short course were offered to representatives from the counties in the east half of the state. The scholarships, according to C. W. Mullen, assistant dean of the Division of Agriculture, are awarded on a basis of leadership and interest in the community affairs.

FOOD HOARDING BRINGS ONLY INCONVENIENCE AS NATION'S FARMERS MEET WARTIME DEMANDS

Any wartime hoarding of foods is not only unpatriotic but can only result in inconvenience and perhaps loss of the stored products, according to the United States Department of Agriculture Defense board for Kansas. The reason, it was explained, is the present huge supplies of food.

Dean H. Umberger of the Division of College Extension represents Kansas State College on the Defense board.

Roy C. Wilson, recently retired board chairman, pointed out that the wheat supply exceeds 1,300,000,000 bushels for the present marketing year or enough to last two years without a single kernel being produced in 1942. Actually the prospect is for a good wheat crop this coming summer because winter wheat has gone into its dormant period in above normal condition.

Hog production this year will total 83,000,000 head—only three percent below the all-time record set in 1939. Next year, according to plans already made, farmers will set a new record for pork production with an 11.3 percent increase over this year, Mr. Wilson said.

Cattle numbers are now approaching the all-time record of 74,000,000 head that was reached in 1939 and farmers are well supplied with the necessary grain to finish these cattle for market. Mr. Wilson feels there

is no cause for any alarm about a beefsteak shortage.

Eggs and milk in dried and other processed forms are going to England under lend-lease in large quantities, but even here, according to Mr. Wilson, there is no prospect of any shortage. Right now, dairy production is at the highest level in our nation's history and for 1942 dairy farmers plan another seven percent increase.

Whatever the food demands of our nation and those of our Allies, Mr. Wilson was confident that they would be met. He declared that American agriculture is in a healthy condition. Under the agricultural conservation program, millions of acres of land have been improved with soil conserving crops, use of lime and fertilizer, and other soil building practices. When needed, these acres can be called upon for maximum production of food.

Even the sugar supply, for which some housewives are expressing concern, is ample. Domestic sugar production has increased greatly since the last war, and nearby countries in the Americas can supply the United States with large amounts of sugar. Even though a run on a grocery store in a particular town might sell that dealer out, there is an ample supply in wholesale houses, where it easily can be obtained.

May Move Students

Some College students may be asked to move from their respective rooming houses before the year is over. Dr. A. A. Holtz, men's adviser, appeared before the city commission last week to discuss the fire hazard problem in College rooming houses. The commission instructed Fire Chief Clyde Morris to inspect houses suspected of being dangerous. His decision will determine whether students may remain.

PRESIDENT FARRELL APPOINTS FIVE TO CAMPUS RED CROSS COMMITTEE

Group Will Supervise Activities for Co-eds and Faculty Women; Dean Moore Is Head

The appointment of a five-member faculty committee, with Dean Helen Moore as chairman, to "supervise and organize" Red Cross activities by women students and faculty members was announced Tuesday by Pres. F. D. Farrell.

Other members are Mrs. Katherine Hess, associate professor in the Department of Clothing and Textiles; Miss Helen Elecock, associate professor in the Department of English; Dr. Katharine Roy, professor in the Department of Child Welfare and Euthenics; and Miss LeVelle Wood, associate professor in the Department of Institutional Management.

"The appointment of your committee," President Farrell wrote to each of the members, "is made for the purpose of bringing together under one general direction the Red Cross work of our women students and such women faculty members as wish to work under College auspices in Red Cross activities."

Dean Moore reported that the committee's plans would be disclosed after an early meeting.

EVERYDAY ECONOMICS

By W. E. GRIMES

"No individual has absolute control over any article of wealth which he owns."

No property right in modern society is absolute. No individual has absolute control over any article of wealth which he owns. The government reserves a part of the rights to wealth and income for society. These rights of society are expressed through the right of taxation, the right of eminent domain, the right to requisition, the penalties of fines, forfeits, and escheats, and in other ways. Property rights are given by society and protected by society, but the right given to the individual owner is never an absolute right.

In retaining a part of the rights to property for society as a whole, the interests of the group are protected. Property would not exist in its present form if it were not for group action through government. If group action is to be preserved, the group must have some degree of control over private uses of property rights. Also the group must have income to use in performing its duties and functions. This income is obtained by taxation and as a result of the exercise of other rights reserved to the group.

The individual frequently resents group action which takes a part of his income through taxation or other means or which restricts his exercise of his private property rights, but the fact remains that he would not have these private property rights if they were not shared with the group so that the group could maintain them.

Justin to Go to Chicago

Dean Margaret M. Justin of the Division of Home Economics will attend a meeting of chairmen of State Committees on Nutrition in Relation to National Defense January 9 and 10 in Chicago. She also will take part in a regional conference on research in nutrition there January 12 and 13.

STUDENT-FACULTY COMMITTEE NAMED TO CHECK ON CAMPUS ORGANIZATIONS

Groups Found to Have Little Use May Be Eliminated Eventually; Arnold Is Head

A committee of three faculty members and five students has been appointed by Pres. F. D. Farrell and the Student Council to investigate Kansas State College organizations.

The faculty-student committee will send questionnaires to organizations soon after Christmas vacation. Questionnaires will seek to determine the efficiency and actual worth of campus societies. "Deadwood" groups may eventually be eliminated.

Chairman of the committee is Mary Margaret Arnold, Manhattan, student member from the Division of General Science. Other student members are Robert Wagner, Garden City, Division of Agriculture; Grant Marburg, Lyons, Division of Engineering and Architecture; Patricia Beezley, Girard, Division of Home Economics, and Robert Lank, Kansas City, Division of Veterinary Medicine.

Faculty members of the investigating committee are Prof. R. I. Thackrey, head of the Department of Industrial Journalism and Printing; Prof. Bessie Brooks West, head of the Department of Institutional Management, and Prof. Roy C. Langford, Department of Education.

SEVEN FACULTY MEMBERS TO PLAN ENGLISH TESTS

All Students in General Science Must Pass Proficiency Examinations

Seven faculty members recently were appointed by Dr. R. W. Babcock, dean of the Division of General Science, to plan the English proficiency tests which must be passed by every student graduating from the division, effective September 1, 1942.

Members of the committee and the department each represents are: Prof. Nellie Aberle, chairman, Department of English; Dr. Frank Byrne, Department of Zoology and Geology; M. J. Caldwell, Department of Chemistry; Hillier Kriegbaum, Department of Industrial Journalism and Printing; Miss Dorothy Pettis, Department of Modern Languages; Dr. A. B. Sageser, Department of History and Government; and Norman Webster, Department of Public Speaking. Miss Eunice Kingsley, Department of Botany and Plant Pathology, and M. C. Moggie, Department of Education, have been chosen as alternates.

The committee will meet January 13 to formulate plans for the examination, which will be required for degrees in all curriculums in the Division of General Science. The plan was adopted by the general faculty on October 7.

Two Attend Library Meet

Miss Grace E. Derby, associate librarian, and Miss Martha R. Culiphier, assistant reference librarian, attended the mid-winter meeting of the American Library Association in Chicago December 29-30.

WILDCAT BASKETBALL SQUAD LOSES GAME TO CORNHUSKERS

NEBRASKA WINS INITIAL BIG SIX CONTEST OF SEASON

Kansas State Team Starts Scoring Early but Home Players Go on to Victory with Score of 44-38

Unable to overcome a 21-11 half-time lead held by the University of Nebraska Cornhuskers, the Wildcats last night dropped their first Big Six game of the season 44-38, in the Cornhusker fieldhouse Tuesday night.

The K-Staters started the scoring for the game in the first minute of play, but the Huskers came back, led by Sid Held, tall guard, to gain the 10-point half-time lead. Held made 13 points for scoring honors in the game.

HOLMAN SCORES EIGHT POINTS

Early in the second half, the Huskers began a scoring drive which was finally stopped by Kansas State at 32-13. Then the Wildcats began the steady scoring drive which ended six points short of the Nebraska score as the gun sounded.

Bruce Holman, Powhattan, sophomore forward for the Wildcats, led the Kansans in scoring with eight points.

WIN ONE WEST COAST GAME

After winning their first four games of the season in Nichols Gymnasium, the Wildcats went to the West Coast for a four-game schedule there. They were able to win only one of the four contests played there. They downed the University of Montana Grizzlies, 44-34, in the third game in the territory.

In the first two contests, in Seattle, the K-Staters lost to Washington university and Washington State college, 45-32 and 47-22 respectively. In the last game of the schedule, against Montana State college, they were again beaten, 45-38.

Saturday night the Wildcats will go to Norman, Okla., to meet the University of Oklahoma Sooners in their second league game of the year.

MORE THAN 100,000 PARTICIPATE IN COMMUNITY SCHOOL LUNCHES

Miss Georgiana H. Smurthwaite Reports That Project Is Growing in Popularity

School officials estimate participation in the community school lunch program in Kansas to exceed 100,000 last year, according to Georgiana H. Smurthwaite, state home demonstration leader at the College.

A total of 38,403 school children in 448 Kansas schools were served hot lunches in November, compared with 7,847 during the same period in 1940, Miss Smurthwaite reported.

Miss Smurthwaite said that the increase in the popularity of the hot-lunch program was due to the interest in improved nutrition of school children on the part of parents, school authorities, civic organizations and the children themselves.

Under the lunch program, food is purchased through the Surplus Marketing administration and is made available to schools which have the program in practice. Each school program must be sponsored by a group within the district. This may be the school board, the Parent Teachers association or some other organization.

SIX JOURNALISM TEACHERS GO TO DES MOINES MEETING

Prof. R. I. Thackrey and Paul L. Dittmore Appear on Program

Six faculty members of the Department of Industrial Journalism and Printing attended conventions of the American Association of Teachers of Journalism and the American Association of Schools and Departments of Journalism in Des Moines, Iowa, December 27-30.

Prof. R. I. Thackrey, head of the journalism department, and Paul L. Dittmore, instructor, presented a joint paper on "Trends in the Teaching of Technical Journalism". "Developments in Federal Espionage and Censorship Law from 1920 to the Present" was discussed by Professor Thackrey at another roundtable.

Other members of the department faculty who attended the conventions were Prof. E. T. Keith, Hillier Kriegbaum, associate professor; Miss Jane Rockwell, instructor, and C. J. Medlin, graduate manager of student publications and instructor in journalism.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, January 14, 1942

Number 15

COUNCIL OF DEANS TO DISCUSS WAYS TO SPEED STUDY PROGRAM

PRES. F. D. FARRELL ANNOUNCES MEETING FOR SATURDAY

Principal Difficulty Is Student Finances, Explains College Head, Pointing to Many Who Work Way through School

Plans for "accelerated programs of study" or ways in which the College can hasten graduation for students not called into active service with armed forces will be considered by the Council of Deans Saturday morning, according to Pres. F. D. Farrell.

Among the proposals to be discussed by the deans are:

"Increased assignments for students able to carry heavier loads,

Increased offerings and attendance at the summer session,

Shortened holidays.

GRADUATE IN THREE YEARS

President Farrell explained that these proposals would enable students who are able to continue in their college work to obtain a College degree in three full years. Changes that will be made, said President Farrell, cannot entail increased College expenditure, but must be effected with a fuller utilization of the existing personnel and equipment.

The principal difficulty in carrying out the proposed plans, he said, is in student finances. Since many students earn money between terms to attend school, it is hoped that the procedure that will be worked out will enable those students financially able to stay in school without affecting those who are not.

MAKE RED CROSS PLANS

Changes that will be made will be in accordance with resolutions adopted at the meeting of the National Committee on Education and Defense. This body stated, "Desirable acceleration of programs of higher education should be accomplished without lowering established standards of admission to colleges, and all adjustments for accelerated programs of studies should be consistent with educational standards." The committee does not approve of giving credit now to students leaving school to enter military service, a common practice in the first World War.

Meanwhile the College Red Cross committee asked all women attending a meeting Tuesday afternoon to answer a questionnaire prepared by the committee so the group, named by President Farrell, would know the number of co-eds and faculty women interested in working for the Red Cross.

Dean Helen Moore, chairman of the committee, explained it is impossible to continue plans for the College unit without first knowing the number of women to plan for in each course.

MANY CLASSES OF WORK

Types of work stressed for College students are classes in first aid, classes in home nursing, a knitting project, garment making for civilian relief, and clerical help. Special emphasis is given to the first two types. There are to be two classes in the knitting project. Beginners will knit afghan blocks and collect new and used yarn. Experienced knitters will do regular Red Cross knitting. Garment making for civilian relief will be taken over by the clothing department.

Plan Protection of Culture

Miss Grace E. Derby, associate librarian, will represent Kansas State College on the state's committee to conserve cultural resources of the United States during the war. The invitation was extended by Kirke Mechem, secretary of the Kansas State Historical society, Topeka, who was designated temporary chairman by the National Resources Planning board in Washington. The committee will plan for the protection of cultural, scientific and historical material in the possession of federal agencies and, possibly, other libraries in the coastal areas of the country.

Bayfield on Millers' Committee

Dr. E. G. Bayfield, head of the Department of Milling Industry, has been appointed to membership on the technical committee of the Millers' National federation, Herman Steen, vice-president of the federation, announced last month. The technical committee has principally concerned itself during the past year with some of the important problems arising from the development of the enriched flour program, Mr. Steen said.

MORTAR BOARD MEMBERS ARE VISITING CLASSES TO SURVEY TEACHING STAFF

By Saturday, 110 Classes Will Have Been Asked to Indicate Reactions for Instructors

One hundred ten classes will have been visited by Saturday by the seven members of Mortar Board, senior women's honorary organization, in connection with their project on student reaction to instructors.

The project was initiated on the campus last year and is being carried on again this year with the approval of Pres. F. D. Farrell.

During the past two weeks, Mortar Board members have spent 10 or 15 minutes with one class of every course taught by each instructor in a designated department in each division. The departments in which classes are being investigated are the Department of Agronomy in the Division of Agriculture, Department of English in the Division of General Science, Department of Electrical Engineering in the Division of Engineering and Architecture, Department of Child Welfare and Euthenics in the Division of Home Economics and Department of Surgery and Medicine in the Division of Veterinary Medicine.

The questionnaires which students in the classes are asked to check have 20 headings concerning the ability of the instructor and the content of the course. Headings range from the organization of the course material and assignments to the instructor's sense of humor and impartiality. Each quality may be rated from one to ten points.

Results of the project will be confidential, only deans and department heads knowing those of their respective departments.

HOME ECONOMICS PROFESSOR GIVES ADVICE ON HOW TO MAINTAIN HOUSEHOLD EQUIPMENT

If your family is to continue its comforts of labor saving and household equipment, buy carefully and take care of what you have, advised Miss Tessie Agan, assistant professor in the Department of Household Economics.

Whether it is the family washing machine or the coffee percolator, it will last longer and at the same time conserve electricity for industry, if the following simple rules are used, Miss Agan said:

Keep equipment clean and in repair.

Never overload it.

Follow the manufacturer's instructions carefully for best performance. If you don't know, ask your dealer.

Handle equipment gently and don't bang it around.

Plan your work in order to use your equipment most efficiently.

Don't waste electricity, because lights out now may protect against future black-outs, Miss Agan pointed out. For the sake of your eyes, use enough light to do the job required of you, but turn out unessential lights.

For more illumination, keep bulbs clean. For better service and better light, select bulbs of the same voltage as that supplied by the local power line. If the voltage is 115, buy bulbs of 115 volts, not 110 or 120.

Defense priorities and rising costs and taxes mean that much of the equipment we take for granted can not be replaced, so special care is necessary, Miss Agan said.

For the electric refrigerator, the advice is to defrost regularly and to keep the cabinet just cold enough to protect food safely, usually from 45

FARM, HOME WEEK VISITORS TO HEAR HOW TO AID NATION

BETTER FARMING AND HOMEMAKING WILL BE STRESSED

PRES. F. D. FARRELL INVITES INTERESTED PERSONS TO ATTEND ACTIVITIES ON COLLEGE CAMPUS NEXT MONTH

Rural men and women gathering on the campus for Farm and Home week February 3 to 6 will learn better farm and home practices and so be able to increase their aid to their country. Latest information and developments in farming and homemaking are to be presented during the four-day event.

Pres. F. D. Farrell, inviting all interested persons, said, "It is a pleasure to invite you to participate in the events of the 1942 Farm and Home week and to assure you a cordial welcome and an interesting, pleasant, and profitable experience. The program will include instruction and inspiration in homemaking and in all the major divisions of the agricultural industry of the state."

ALL COUNTIES REPRESENTED

Representatives are expected from every one of Kansas' 105 counties, said L. C. Williams, assistant dean of the Division of College Extension, who is in charge of the affair. In addition, extension workers employed in the counties—agricultural agents, home demonstration agents, and club agents—will attend.

College faculty members, and state and nationally-known authorities from other organizations and agencies have been invited to speak, to lead discussions, and to conduct demonstrations and exhibitions.

Subjects to be discussed on the agricultural program include dairy, poultry, crops, beekeeping, and livestock. The problem of farm tenure has been added to the list this year. Health, foods, home beautification, clothing, recreation, and household equipment are topics on the home economics program.

GROUPS ALSO TO MEET

Groups which have chosen Farm and Home week to convene on the

(Continued on last page)

KILLED IN ACTION



LT. MILTON KASLOW

TWO COLLEGE GRADUATES DIE FIGHTING IN FAR EAST FORCES

CAPT. ALVIN W. HAMILTON AND LT. MILTON KASLOW KILLED

ELECTRICAL ENGINEER IN CLASS OF 1927 WAS AT CORREGEDOR ISLAND WHILE 1940 ALUMNUS JOINED AIR CORPS

Two Kansas State College alumni, Lt. Milton Kaslow, ChE '40, and Capt. Alvin W. Hamilton, EE '27, were killed December 31 and January 2, respectively, while fighting with the United States forces in the Far East.

Lieutenant Kaslow and Captain Hamilton were the first Americans graduated from this College to die in action during World War II.

KLEINENBERG IS FIRST

The first graduate of Kansas State College to die was Lt. Theunis Kleinenberg, Ag '26, who was killed last year while serving with the British forces in Africa against the Italians. He was born in Pietersburg, Transvaal, South Africa, but received his education in America.

Announcement of Kaslow's death came Monday in a letter from his family to Prof. W. L. Faith, head of the Department of Chemical Engineering. During his College career, Lieutenant Kaslow, who was a chemical engineer with the Air Corps, was active in Sigma Xi, science fraternity; the American Institute of Chemical Engineers; Phi Lambda Upsilon, honorary chemical society; Phi Mu Epsilon, mathematics society; and Mortar and Ball, honorary military society. He was also an outstanding member of Manhattan Theatre, a member of Phi Kappa Phi, all-college honorary society, and received sophomore scholastic honors.

DIED AT CORREGEDOR

Captain Hamilton is listed in the War department as having died with the Coast Artillery at Corregedor Island, fortified fortress in Manila bay. Before he entered the service, he had been employed by the Commonwealth-Edison company in Chicago.

Captain Hamilton is survived by his wife, the former Blanche Lapham, a Kansas State College graduate of 1927 and a former resident of Manhattan, and their 7-year-old child.

RADIO, ENGINEERING DRAWING WILL BEGIN ON FEBRUARY 2

PROF. W. W. CARLSON SAYS FUTURE CLASSES NOW ARE BEING PLANNED

Radio technology and engineering drawing classes, offered tuition free in cooperation with the training program of the national government, will open here February 2. These 12-week sessions have been filled, but future classes in these fields are being planned now, according to Prof. W. W. Carlson, the College's representative.

Professor Carlson said that February 2 has been set as the tentative opening date for classes in spectroscopy, materials inspection for highways and airports, and chemistry of powder and explosives. Tuition for these courses will be paid by the government with only textbook and personal expenses to be paid by the students.

Professor Carlson said that February 2 has been set as the tentative opening date for classes in spectroscopy, materials inspection for highways and airports. For spectroscopy, the student must have had three hours of college algebra, three hours of trigonometry and two semesters of college physics. Chemistry of powder and explosives, an eight week course, requires one year of general college chemistry and three college credits of quantitative analysis.

HOWE TO TOPEKA

Harold Howe of the Department of Economics and Sociology will speak at the 71st annual meeting of the Kansas State Board of Agriculture in Topeka tomorrow. His subject will be "Kansas Real Estate Taxes."

COLLEGIATE 4-H CLUB TO MEET

Collegiate 4-H club officers for the coming semester will be elected at a meeting in Recreation Center Thursday evening. The officers will be installed immediately after the election.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY.....Editor
HILLIER KRIEGBAUM, JANE ROCKWELL, PAUL L.
DITTEMORE, CHARLES M. PLATT.....Associate Editors
KENNEY FORD.....Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, JANUARY 14, 1942

THESE HONORED DEAD'

Twice on the same day this week the College received word of the death of alumni in action with American Forces in the Far East.

They were not the first Kansas State College alumni to die in action in World War II. T. M. Kleinenberg of the class of 1926, who came to the College from his home in South Africa, was killed on January 27, 1941, while fighting with South African forces against the Italians in East Africa.

Nor were they the first deaths among College graduates with American forces. Accidents in training have claimed the lives of at least two alumni with the armed forces in this country.

But the deaths of Milton Kaslow of the 1940 class and Alvin W. Hamilton of the 1927 class brought the war home to the campus with peculiar immediacy, because they were the first to die in action with American forces in World War II, and because Milton Kaslow was well known to students now on the campus. Commenting on his death The Kansas State Collegian, student newspaper, expressed the feeling of many students and alumni. Miss Mary Margaret Arnold, Collegian editor, wrote:

A lot of us knew Milton Kaslow. He was a very much alive person; it is hard to think of him as dead. His dramatic talent and ready wit have made him unforgettable to many.

But there will be a lot of Milton Kaslows . . . and John Smiths . . . and Jim Browns . . . who will lose their lives in this gigantic struggle. That we must accept, and accordingly resign ourselves.

Abraham Lincoln said it; it has been said in every war since and it will be said in every war to come—but we must say it from the bottom of our hearts. "We are here highly resolved that these dead shall not have died in vain—that this nation, under God, shall have a new birth of freedom—and that government of the people, by the people, for the people shall not perish from the earth."

Sentimental? Idealistic? Of course. But an ideal we must all accept lest we lose sight of what we are fighting for in the process of winning it. We must know that the battle is worth the fighting and that the peace is worth the winning.

And we must bend every effort to doing just that.

MUSIC

Stratton Concert

Lovers of piano music were given an unusually pleasant treat at the College Auditorium Sunday afternoon in the recital by Prof. Charles Stratton. The "Sonata in C Major" (Koechel No. 309), by Mozart, the interesting and strangely intriguing group of Moussorgsky's "Pictures at an Exhibition," and four numbers by Chopin combined to furnish a most delightful hour and a quarter of rare artistry.

Undoubtedly the Moussorgsky attempt to translate pictorial to musical interpretation held the most interest for the listeners. Mr. Stratton's ability to execute and interpret the 16 separate musical sketches marks him clearly and definitely as a rare master of the piano. His deter-

mined restraint against too picturesque and descriptive interpretation and the ease of execution accompanying that restraint were basic factors in his extraordinary musicianship.

The Chopin numbers with which the recital was concluded were: "Etude in F Major," Op. 10, No. 8; "Mazurka in F Minor," Op. 68, No. 4; "Nocturne in E Flat Major," Op. 55, No. 2; and the "Andante spianato and Polonaise in E Flat Major," Op. 22. It is hard for a pianist to err in closing a program with Chopin, particularly if he chooses the brilliant Polonaise and executes it as Mr. Stratton did. The Nocturne was also exceptionally beautifully done.

In the other two groups the adante of the Mozart sonata and "The Gnome," "Ballet of Unhatched Chickens," "The Hut of Baba-Yaga" and "The Great Gate of Kiev" were extraordinarily well presented and enthusiastically received.—H. W. D.

BOOKS

Man of Knowledge and Society

"The Social Role of the Man of Knowledge." By Florian Znaniecki. Columbia University Press, New York. 212 pp. \$2.50.

This book is a philosophical analysis of scholars as members of professions and of society. The author attempts to be wholly objective in his analysis of the relation of the technician to his system of knowledge, which the public calls his profession and of his relation to other people. He indicates the powerful influence of custom or of behavior patterns of social groups on the role of the scholar both in his profession and in society.

The historical background of our educational system, which is of European origin, provides the explanation for our professional requirements, examinations, graduate study routine and what is proper for a technician or sage to do in his role in society.

The professional group sets the requirements which must be met before a person is admitted to that group. Somewhat of a standard fund of knowledge must be acquired, interpreted and applied according to social rules and regulations before the neophyte becomes a recognized exponent of a system of knowledge.

Even society's idea of what constitutes "science" is traditional. The author says the word "scientist" is derived from "scire" (to know) and the equivalent is "man of knowledge". Some would state that a person is not a scientist until he had "produced some work which will qualify positively when judged by definite standards". Others identify science with "mathematics, astronomy, physics, chemistry, and some portions of biology and geology grudgingly added".

The author considers a scientist to be "any individual who is regarded by his social milieu and who regards himself as specializing in the cultivation of knowledge". He indicates that there is no demand for a scientist as a bearer of superior knowledge as long as any given situation can be fitted into some familiar general pattern. But the sudden "appearance of a sickness with unfamiliar symptoms, unexpected scarcity of game or fish, an unknown pest ravaging crops" result in a demand by the public for technical advisers.

The author distinguishes between the role of the "technological leader" who cultivates and uses knowledge in a practical way and the "technological expert" who is an information gatherer for "kings, war lords, high priests, administrators, judges, legislators and economic entrepreneurs". The independent investigator who was so persecuted in the middle ages for ideas which challenged the familiar social pattern has an increasing role in society, though resistance occurs even from people supposed to benefit from the invention.

The social upheavals due to the theory of evolution in biology, competing schools in medicine, psychology, sociology, history, religion, economics and political science are examples of active opposition and school rivalry.

Schools of knowledge have discoverers and systematizers, the teacher and textbook writer filling the latter function. He is a "professor" to the knowledge of his system before his "students". The author takes the position that there are no "absolute unconditionally certain truths concerning any given object matter of knowledge but only truth hypotheses". He holds that the highest hope of the scientist-explorer is to "create

SCIENCE TODAY

By LESTER O. GILMORE
Associate Professor, Division of
College Extension

Few Kansans realize as they reach outside the kitchen door for the morning milk, or milk the family cow that they are dealing indirectly or directly with an animal that does more work to accomplish her role in society than any other organism.

When one considers that milk is the only animal product intended by nature solely for post-natal nutrition, some of the facts and circumstances incidental to and concomitant with the activity of the mammary gland—the most active gland, organ, or part found anywhere in nature—help one to develop more respect for "nature's most nearly perfect food".

For each pound of milk produced by the Kansas dairy cow, nearly 400 pounds of blood have to be pumped through the arteries of the udder. Each time it courses through, a small amount of protein material, fats, sugar, minerals, vitamins, and water—the six food nutrients—are taken from the blood and made into milk after having gone through any needed changes prescribed by nature. A cow producing 50 pounds of milk a day must pump 20,000 pounds of blood through the heart. The average weight of Kansas dairy cows is around 1,000 pounds. Thus the daily production of 50 pounds of milk requires an amount of blood equal to 20 times the body weight of the cow. Since there is only about 70 pounds of blood in a cow of this size, this available supply would have to be pumped through the heart approximately 286 times.

Observations show that a dairy cow makes up to 41,000 jaw movements daily in preparing feed materials for use by the mammary gland, secreting as much as 125 pounds of saliva during this process. At least six hours are required in consuming the feed and eight hours are required for ruminating the ration.

Two points in structural design serve further to characterize the dairy cow within the animal kingdom.

a superhuman world of relative truths, infinite in potential wealth, admirable in its trend to perfection and who thus leads mankind to undreamed heights of intellectual achievement."

This is a thought provoking treatise which, however, leaves one largely unsatisfied. The analysis stops short of clarifying fully the attractive subject of this volume to the reader. There is much more to be said. The author's references are almost wholly of French origin and his style suggests the best of French literary writing.

He makes no suggestions for modifying, enlarging or improving the status or function of the man of learning in society. But there are subtle hints at certain absurdities in these relations.

For example, is it possible that as educated men and women we abhor having our ideas upset by new discoveries? As a body of scientists and technologists we do not believe that we do. We welcome new discoveries, new principles, new ideas, no matter how upsetting they may be. At least, we think that we do.

—Roger C. Smith.

"TO THE HILLS"

We can call upon the great men, the great words of our own past—and that we should do—for in looking back at our past we can see at what a price, by what endurance and fortitude, the freedom we have inherited was bought. But that is only part of the task. We need new words also—and great ones—to match the present, to build for the future that must be. That is a great task indeed, and a very hard one. . . . The day is troubled and the night is full of voices. But if we are men, we shall go forward. We shall go forward to the hills.—Stephen Vincent Benet in "A Summons to the Free."

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Prof. R. M. Green of the Department of Agricultural Economics delivered a lecture on the agricultural

The first of these is that she is essentially fundamental to a sound soil conservation program. Equipped with a spacious digestive tract with a large four-compartment specialized "stomach" and a long intestine, the dairy cow fits into nature's program of abundance in grass and legumes. The dairy cow shares this anatomical characteristic with the beef cow and sheep, but is differentiated from the horse, hog, hen and human, all of which are single-stomached.

The other structural difference is the high stage in development of the mammary gland. The dairy cow represents, among mammals, the western end in a line of evolutionary changes that started with such low forms as the spiny ant-eater of Australia and represented by such stations along the route as successive stages of development found in the kangaroo, opossum, sow and mare. Instead of simple glands like those of the sow, the dairy cow possesses as many as a hundred or more simple glands all with a duct system uniting them into a single opening enabling man to draw the milk from a large number of glands by manipulating a single "spigot".

Much practical evidence has been accumulated to show that the dairy cow fits into a system helping to stabilize agriculture and community living. History records that dairy farming has followed the exploiting types of agriculture that are responsible for much of the depletion of plant nutrients in the soil. This apparently was true in Europe. It has been true in this country from the beginning of farming on the eastern seaboard through the western shift down to the present state of equilibrium. Almost an all-out effort is being made to rebuild soils by virtue of practices involving the growth of pasture and legumes. The greater the emphasis on these programs the greater the extent to which efficiency will be desired and the greater the extent to which the dairy cow will take her place as a worthy servant of mankind.

outlook for Kansas at the night school held in Washington.

Prof. M. A. Durland, assistant dean of the Division of Engineering, made a tour of inspection of Kansas junior colleges, visiting institutions at Winfield, Coffeyville, Arkansas City, Independence, Parsons, Iola, and Ft. Scott.

C. L. Farrar, '26, who received the degree of doctor of philosophy from the Massachusetts State College, Amherst, Mass., resigned his faculty position with that college and accepted a position in the United States Bureau of Entomology, stationed at Laramie, Wyo.

TWENTY YEARS AGO

Charles A. Hunter, '15, was a professor of bacteriology at Pennsylvania State College, State College, Pa.

John M. Scott, '03, was in charge of the animal husbandry section of the extension division of the University of Florida.

George A. Young, '12, was elected president of the Nebraska Veterinary Medical Association at the recent annual meeting at Omaha. Doctor Young also was appointed a member of the Nebraska board of veterinary medical examiners.

THIRTY YEARS AGO

Prof. J. T. Willard presented a paper before the Chemical Engineering Society of the University of Kansas on "The Service of Chemistry to Agriculture."

D. R. K. Nabours attended the meetings of the American Association of Naturalists at Princeton, N. J., and of the American Breeders Association at Washington.

FORTY YEARS AGO

Mrs. E. E. Winchip, formerly the superintendent of sewing at this College, was a teacher of sewing at Bradley Institute, Peoria, Ill.

At the annual meeting of the Kansas Stock Breeders' Association held in Topeka Prof. D. H. Otis, Prof. H. M. Cottrell, Pres. E. R. Nichols and Instructor A. T. Kinsley were on the program.

At the meeting of the Kansas

Academy of Science at Iola, Prof. E. A. Popeno read a paper on the Kansas Hemiptera, Prof. D. E. Lantz on the prairie dog, and Prof. J. T. Willard addressed the society on the nutritive value of buffalo grass. Professors Willard and Lantz were made life members of the academy.

FIFTY YEARS AGO

Professors Lantz and Popeno attended a farmers institute at Frankfort.

Professors Georges and Mayo attended the meeting of the State Board of Agriculture at Topeka and presented papers. Professor Mayo also read a paper before the state veterinarianians.

SIXTY YEARS AGO

Professor Shelton, Professor Popeno and President Fairchild lectured at the two-day farmers institute. Professor Detmers, former professor of veterinary science at this College, was in the service of the Agricultural Department at Washington, D. C.

KANSAS POETRY

Robert Conover, Editor

BUGLES IN THE GRASS

By Ovie Pedigo Tanner

Who has heard the phantom bugles?
Piping in the prairie grasses?
Who has heard the whispered rhythm
In the night-wind as it passes?
He who's lived upon the plainsland—
Sensed its breadth and breathed its
freedom;
Felt its mood in storm and sunshine—
Learned to love the prairie kingdom.

Magic bugles in the grasses,
As a child I heard you calling;
And I know I'll always hear you
When the twilight shades are falling.
And, you'll bring a panorama—
Prairie-mounted, as it passes;
Prairie-painted, and its music—
Bugles, in the prairie grasses.

Ovie Pedigo Tanner of Mullinville was born in Kentucky but reared and educated in southwestern Kansas. She has contributed articles and verse to several newspapers and magazines and has written two small volumes of verse, *Fireside Fancies* and *Rainbow Trail*.

SUNFLOWERS

By H. W. Davis

SING A SONG AND SELL IT

Although I've been considering the matter deeply and long, I've at last given up and decided not to make a collection of the ditties currently used at station-break intervals on radio to peddle tractors, raisin bread, hen conditioners, and liver pills.

But I hope somebody else does do it, for what a shame it would be if the masterpieces were not preserved for posterity to amuse itself with while struggling to reduce the national indebtedness.

Up to now I have not caught the United States Treasury department trying to sell Baby Bonds through lyrical Mother Goose persuasion. But Mr. Morgenthau may have to come to it, else all the dimes and quarters will be spent for the less worthy commodities sold by swing.

From all I can hear, the best selling agent for almost anything nowadays is a trio of close-harmony sisters who can get oodles of rhumba in their voices. Give them something like a new brand of washed and dust-proofed bituminous coal to sell and a hey-diddle-diddle ditty to put it across with, and they will empty the mine in a couple of weeks flat.

The buyer's resistance to a gal trio that can boogie-woogie any kind of limping doggerel into a scintillating ditty for 10 or 15 seconds is zero. If you don't believe it, start twisting your dial and listen to them make their sponsors keep on paying high income taxes. Boogie woogie can, and does, sell anything.

Of course, I grow irritated at times—especially when I try to find out about the several crises in the Far East or the Russian advance in Europe—by the crass intrusion of lyrical salesmanship into my thinking, and I want to use words never heard in loud speakers. But I seldom do it. I always remember that the show must go on. Unless the sale of car wax and candy bars keeps up, there will be few daytime newscasts; and I shall have to wait until 10 p. m. to learn of the day's doings in Africa, Asia, the Atlantic, the Pacific, Malaia, the Philippines, and elsewhere.

AMONG THE ALUMNI

Marietta (Smith) Reed, B. S. '95, of Holton, and her daughter, Louise E. Reed, H. E. '30, Parsons college, Fairfield, Iowa, went last summer to see daughter and sister, Mary Frances Reed, I. J. '28, who was working at the time on the Ph. D. she was granted at the end of the summer from the University of Illinois.

Mrs. Reed writes, "Mary was working diligently on her abstract so she could leave her work completed for her Ph. D. The new work we took her to in Blacksburg, Va., depended on her being a 'doctor,' as much as other qualifications. That finished we left for Crawfordsville, Ind., where we saw my sister, Frankie Green Clearwater, f. s. '88. Then to Marietta, Ohio, to stop with May Bowen Schoonover, '96, and family. The oldest daughter Emma, f. s. '25, was home. Mrs. Schoonover is active and interested in garden and reading clubs."

"From Marietta we went on across West Virginia to Blacksburg, Va. The school there was a military institute until 1921, when with the land grants, it was changed to a coeducational school and is Virginia's agricultural college. There we met Mildred (Thurow) Tate, H. E. '27, M. S. '29, with whom my daughter Mary is associated in her work at the polytechnic institute. We went then to Washington, D. C., where we were joined by Elizabeth Reed, '36. At Penn Yan, N. Y., we visited Louise (Reed) Paddleford, '91, and her daughter, Alice (Paddleford) Wood, '25."

Harriet (Nichols) Donohoo, '98, 1505 Avalon street, Los Angeles, Calif., reports that her son, Lt. Malcolm O. Donohoo, United States Marine Corps, was with the fleet in Pearl Harbor, T. H. He and his wife and two young sons reside in Honolulu. Her daughter, Harriet Donohoo, teaches physical education at Robert Louis Stevenson Junior high school, Los Angeles. Mrs. Donohoo is secretary of the California Cliff Dwellings club and president of the San Fernando Valley Branch, A. A. U. W., the successor of Josephine (Wilder) McCullough, '98, Van Nuys, Calif.

Dr. J. W. Harner, B. S. '00, D. V. M. '09, visited Manhattan late in November. Doctor Harner and Bertha (Holladay) Harner live at 635 Hollywood, Memphis, Tenn., where he is veterinary inspector for the United States Department of Agriculture.

Winifred Mae Johnson, D. S. '05, is housekeeper and farm manager at Solomon Rapids.

Dr. E. F. Kubin, '09, McPherson, is city meat and milk inspector. He attended a dairy inspection conference at the College in November and visited his daughter, Deborah, who is a junior in home economics. Mrs. Kubin is Emma (Lee) Kubin, '10.

R. R. Kimmel, M. E. '13, has changed his address from Toronto, Canada, to 11019 Homewood avenue, Chicago, Ill. He is head of Robert Ray Kimmel and company, management engineers, Chicago.

William W. Haggard, M. E. '15, general foreman of the locomotive department of the Santa Fe railroad, Topeka, is now with the defense program of the railway division of the chief engineer's office of the War department. He is in charge of the locomotive procurement dealing with the design, ordering, and building of locomotives under the lend-lease program. At present he is at 2624 Woodley place, Washington, D. C. but when construction starts, he will spend much of his time at the various locomotive plants in the east. His wife, Mabel (Ruggels) Haggard, '16, and family are remaining at 125 N. Elmwood, Topeka.

Carl P. Miller, f. s. '19, 1730 S. Cameron road, Covina, Calif., is president of Dow Jones and company, Ltd., publishers in Los Angeles. His wife is Marvel (Merillat) Miller, f. s. '20. They have two children, Carl P. Miller Jr., 18, and Martha Irene, 8.

Cecil L. Bower, C. E. '21, is on leave of absence as senior engineer with Missouri State Highway department. He is on active duty, as a major at Camp Upton, New York, as constructing quartermaster. Prior to

going there he held a similar assignment at Ft. Monmouth, N. J.

Ruth (Whearty) Maupin, H. E. '23, is teaching home economics in Alhambra high school, Alhambra, Calif. She and A. H. Maupin live at 589 N. Madison avenue. Mr. Maupin is vice-principal of schools in Imperial, Calif.

Margaret (Ahlborn) Montgomery, M. S. '24, and her husband, Dr. Royal J. Montgomery, have completed a new home at 819 Ninth avenue, Grinnell, Iowa. Mrs. Montgomery writes of the new home "where we shall be glad to welcome old K. S. C. friends. I do enjoy THE INDUSTRIALIST and am still interested in the student loan fund."

Glen B. Railsback, Ag. '25, is area soil conservationist with the Soil Conservation service at Dodge City. He reports that Loy McMullen, Ag. '32, is with the service at Dodge City as area economist. The Railsbacks live at 1705 Second street, Dodge City.

Louise (Magaw) Ackerman, G. S. '26, and Dr. G. A. Ackerman, f. s., live at 6518 Baldwin, Lincoln, Neb. Mrs. Ackerman is candidate for her M. A. degree from the University of Nebraska in June, 1942.

Daniel H. Forbes, Chem. E. '27, and Ida (Newton) Forbes, G. S. '27, live at 615½ Main, Neodesha. Mr. Forbes is an attorney.

Pearl M. Maus, M. S. '28, will be entertaining tourists with "Chuck Wagon" dinners at Woodland Park, Colo., next summer and plans to organize some nature walks in that area and do guiding for those who wish such service. She purchased two summer cabins for use by vacationers. Miss Maus lives at 2026 Seabrook avenue, Topeka.

Hoyt Purcell, G. S. '29, and Harriet (Hamilton) Purcell, f. s. '30, live at 6433 Overbrook road, Kansas City, Mo. Mr. Purcell is a partner with Martin, Holloway, Purcell, security dealers, 1511 Fidelity building, Kansas City, Mo.

Clara F. Denison, G. S. '30, has been teaching first grade in the public schools at Moundridge since 1935.

L. A. Peck, Ag. '31, Box 433, Osborne, is north central Kansas fieldman for the Warren Mortgage company, Emporia. He and Maurine (Knouse) Peck have a son, Larry Jr., 5.

Joyce W. Miller, Ag. '33, is assistant professor in the Department of Shop Practice here during the leave of absence of M. R. Wilson, E. E. '24, who is organizing defense classes in Kansas. He and Juanita (Shields) Miller, f. s. '33, live at 1008 Ratone, Manhattan.

Kenneth S. Davis, Ag. '34, is author of a novel, "In the Forests of the Night," to be published by Houghton Mifflin company, Boston, early in 1942. Houghton Mifflin company, according to the contract, has an option on Davis' next book. He is now devoting his full time to writing. He was formerly with the Soil Conservation service as a writer. He and Florence (Olenhouse) Davis live at 814 Bluemont, Manhattan.

Miss Hazel Heikes, C. S. '35, 816 Polk, Topeka, teaches mathematics in the Topeka high school.

Laurence G. Harmon, Ag. '36, is assistant professor in the dairy manufactures department at Texas Tech, Lubbock, Texas. Mr. Harmon received his master's degree in dairy manufactures from that college in 1940. He and Inez (Rose) Harmon, Texas Tech graduate, live at 2308A Fourteenth street, Lubbock.

Walter T. Emery Jr. is at Camp Robinson, Ark., as a message center clerk and messenger.

Theresa (Ward) Ryman, '38, married Frank Ryman April 12. Mrs. Ryman is home management supervisor with the Farm Security administration at Meade.

W. L. Ainsworth, G. S. '38, 4555 Main street, Kansas City, Mo., is first officer with Transcontinental and Western Air, Inc., 10 Richards road, Kansas City, Mo.

Clinton V. Young, M. E. '39, is junior engineer in the bureau of ordnance, Navy department, Washington, D. C. He and Mary (Moore) Young live at 3321 Eighth, N. E., Washington, D. C.

Wayne D. Morgan, Ag. '40, is in the Quartermaster Replacement Training center, Ft. Francis E. Warren, Wyo.

LOOKING AROUND KENNEY L. FORD

Professor Ten Eyck Writes

L. E. Call, dean of Division of Agriculture at the College, recently wrote the Alumni office:

"Some of the alumni of the institution who were in college between 1902 and 1910 will remember A. M. Ten Eyck who was professor of agronomy here during that period of time. Later he was Superintendent of the Fort Hays Branch Experiment station for a couple of years. For the past 15 or 20 years, Professor Ten Eyck has been living in Wisconsin operating the farm upon which he was raised at Brodhead, Wis."

"I have a letter from Professor Ten Eyck under date of December 30, 1941, in which he writes that both he and Mrs. Ten Eyck are enjoying good health, but that because of advanced age he has turned over the large part of his farm to one of his sons who is purchasing it. He, however, is retaining 30 acres of the farm that is in orchard and devoted to fruit production and 40 acres of woodland."

"He says in writing me: 'My wife and I have our home while we live on the farm and I still own the orchard, about 30 acres, plus 40 acres of woodland, enough to keep me busy.'

"I thought that friends of Prof. and Mrs. Ten Eyck and former students might like to learn of him through the columns of THE INDUSTRIALIST."

Dallas Alumni Dinner

Kansas State College alumni and former students at Dallas, Texas, met December 21 at the Chapultepec, 1126 Zangs boulevard, Dallas, for chicken or Mexican dinners. The officers elected at the meeting were Albert Green, '33, president; Steve Vesey, '33, vice-president; and Hannah B. Murphy, '27, secretary-treasurer.

Charles C. McPherson, f. s. '22, was in charge of the dinner and sent in the list of those attending:

Robert Whiteside, '39, and Esther (Clover) Whiteside, f. s.; Glenn E. Findley, '22, and Ruth (Kittell) Findley, f. s. '22; S. A. McCollum, f. s. '41, and Mrs. McCollum; Grant N. Willis, '39, and Mrs. Willis; R. H. Jefferson, f. s. '23, and Mrs. Jefferson; Edward Charles Brann, f. s. '41, and Mrs. Brann, '39; Steve Vesey, '33, and Mary (Baum) Vesey, f. s. '33; Hannah B. Murphy, '27; R. L. Hodshire, '32, and Susan (Reed) Hodshire, f. s. '32; Albert Green, '33; George C. Gibbons, '18, and Mrs. Gibbons; F. D. Haberkorn, '28, and Mary (Bird) Haberkorn, f. s. '30; L. C. Paslay, '30, and Aileen (Hull) Paslay, '30; I. J. Ramsbottom, '36; C. C. McPherson, and Vera (Samuel) McPherson, '19, all of Dallas.

Others present were C. R. Adamson, '17, and Mrs. Adamson, Ft. Worth, Texas; Mary A. Mason, '27, Denton, Texas; Edna Wilkin, '19, M. S. '24, Nacogdoches, Texas; and Kenney L. Ford, '24, Manhattan.

MARRIAGES

CAMPBELL—CASPER

Bessie M. Campbell, H. E. '41, and Harlan W. Casper, M. E. '40, were married August 27. The couple live at 197½ W. State street, Barberville, Ohio, where Mr. Casper is draftsman for the Babcock and Wilcox company.

SPESSARD—ORRELL

Aldine Spessard, H. E. '41, and Lloyd R. Orrell, Ag. '41, were married November 2 at the Presbyterian church in Junction City. They returned from a honeymoon in New Orleans to reside on a farm near Peck, where they have a new home.

JENKINS—BROCK

Betty Laming Jenkins, f. s. '41, and Lt. John R. Brock, Bus. Admin. '41, were married November 23, 1941, at the Country Club Congregational church, Kansas City. The couple are at home at Lebanon, Mo. Lieutenant Brock is in service at Ft. Leonard Wood, Mo.

MORGAN—DUMLER

Vera Morgan, H. E. '40, former home demonstration agent of Douglas county, was married to William E. Dumler, f. s., November 1, 1941. Rev. B. A. Rogers performed the ceremony in the First Methodist church, Manhattan, Mr. Dumler is

now employed by the Beech Aircraft corporation in Wichita. They are at home at 5014 E. Central, Apartment 2, Wichita.

RASK—DIAMOND

Ben E. Diamond, G. S. '38, married Joyce Elaine Rask, Vermillion, S. D., on December 21 at Norfolk, Neb. Mr. Diamond received his M. A. degree from the University of South Dakota in 1939 and since that time has been at the university as bacteriologist and research assistant in the State Health Laboratory. Their home in Vermillion is at 218 N. Yale street.

HOWE—PARSONS

The marriage of Blanche M. Howe, Bus. Admin. '40, and Kenneth F. Parsons, Ag. '40, took place August 14 at the Methodist church in Garrison. Mrs. Parsons has been employed by the Beech Aircraft corporation, Wichita. Mr. Parsons is a member of Phi Kappa Phi and Alpha Zeta honorary fraternities. They live in Manhattan, where he is employed by the state agricultural adjustment administration as a range supervisor.

RUST—LYNESS

Mary Elizabeth Rust, H. E. '37, and Walter Waring Lyness of Grand Rapids, Mich., were married November 14 in Toledo, Ohio. Mr. Lyness is factory representative for A. C. Lubricants in Michigan. They live at 16 Lafayette, S. E., Apt. 10, Grand Rapids, Mich. Mrs. Lyness taught at Alma, Kan., before she entered the University of Tennessee last year to do graduate work.

PATRICK—SALISBURY

In a military ceremony solemnized October 31 in the chapel at Randolph Field, San Antonio, Texas, Phyllis Patrick, f. s. '41, became the bride of Grant Salisbury, I. J. '41. The bride is a member of Kappa Kappa Gamma social sorority. Mr. Salisbury is a member of Sigma Phi Epsilon fraternity. While attending College, he was sports writer for the Manhattan Mercury and Chronicle. He received his commission as a lieutenant in the United States Army Air corps and now is stationed at Marshall Field, Ft. Riley, Kan.

LUPFER—REED

Margaret Ann Lupfer, f. s. '41, was married October 18 to Joe Dudley Reed at the home of the bride's parents in Laredo. Her parents are Loren Lupfer, '17, and Lois (Gist) Lupfer, '12. Mr. and Mrs. Reed will enter the University of Colorado, Boulder, the second quarter to continue their college work. Mrs. Reed, a major in journalism, is affiliated with Pi Beta Phi sorority. Mr. Reed attended Rush Medical school, Chicago, and received his A. B. degree from the University of Colorado. He received his M. S. degree from the University of New Mexico last spring.

HIGDON—HALLER

Betty Higdon, H. E. '40, and Lawrence I. Haller, E. E. '38, were married September 14 in the Catholic church in Goodland. Mrs. Haller has been home service director for the Gas Service company in Kansas City, Mo. In College, she was a member of Delta Delta Delta social sorority, the Board of Student Publications, Student Governing association, Orchesis, Purple Pepsters, Manhattan Theatre and was listed in Who's Who in American Colleges and Universities. Mr. Haller also was named in Who's Who. He was a member of Mortar and Ball, Blue Key, Steel Ring, Newman Club and Sigma Tau. He was employed after graduation in the meter department of the Kansas Power and Light company in Manhattan. Last year he accepted a position in the sales department of the Westinghouse Electric company, Pittsburgh, Pa. Their address is Apt. B, 666 Washington road, Mt. Lebanon, Pa.

BIRTHS

Joyce Ann is the name chosen by John H. Moehlman, E. E. '36, and Mabel (McGehee) Moehlman, for their daughter born November 9. Their home is at 1506 Poyntz, Manhattan. Mr. Moehlman is owner of the Avenue grocery at 1531 Poyntz.

William E. Steps, C. E. '31, M. S. '32, and Helen (Niemeier) Steps, f. s., have a son, Robert William, born November 12. Mr. Steps works in the division of water resources with the Kansas Department of Agriculture, Topeka. Their home is at 1110 Medford, Topeka.

RECENT HAPPENINGS ON THE HILL

Judge Pierre Crabites, formerly American representative on the International Tribunals of Egypt and newly named exchange lecturer to Latin America, was on the program for a student assembly in College Auditorium Wednesday afternoon.

Lt. George Hart, I. J. '37, formerly an instructor in both the Department of Industrial Journalism and Printing and the Department of Military Science, represented the United States Army Bureau of Public Relations at the Roosevelt-Churchill press conferences, Prof. R. I. Thackrey, head of the Journalism department, said he had been informed.

Ralph Schlicht, Clafin, is the first student confined for "Victory" measles in the College Hospital. In World War I, the word "German" became so distasteful to patriotic Americans that medical practitioners quarantined their patients with the German measles for "Liberty" measles. The Department of Student Health is this year terming the disease "Victory" measles.

Kansas State College students who have taken Civilian Pilot training are wanted in the nation's air forces. Letters asking for their services in the air forces have been received by all pilots having any flight training. They are not required to enter any sort of military training yet, but Prof. C. E. Pearce, director of the College CPT, said they may be forced to do so later.

Auditions required of all students appearing on programs on the College's radio station KSAC will start on January 19, announced James Chapman, supervisor of station programs. An audition is not required for the 4-H club program. Students who appear in a musical broadcast are not given auditions, but their numbers must be approved by William Lindquist, head of the Department of Music.

DEATHS

SMITH

Laura (McKeen) Smith, B. S. '95, died November 18 at her home in Russell. Her husband, Fred J. Smith, '95, died in May, 1938. Survivors include three children, Elbert Smith, Com. '31, and Mrs. Miriam Thackston, both of Washington, D. C., and Dean Smith, Everett, Wash.

NEUSCHWANGER

Elizabeth (Pittman) Neuschwanger, H. E. '36, M. S. '38 from Cornell university, died October 14 at Evansville, Ind. She was buried at her home in Lewistown, Mont. Immediate survivors are her husband, Paul Neuschwanger, Mill. Ind. and E. E. '36, and a daughter, Cornelia Ann, 2.

PITTMAN

Tom L. Pittman, E. E. '04, died June 26 of heart disease. He was an electrician in Lewistown, Mont. He is survived by his widow, Elizabeth (Sweet) Pittman, two sons, and a sister, Prof. Martha Pittman, '06, head of the Department of Food Economics and Nutrition, Kansas State College.

LIETMAN

Marjorie (Ainsworth) Lietman, I. J. '27, died August 29 at St. John, Kan. She had been visiting her home. Her husband, the Rev. Henry Lietman, wrote of her death and said, "She enjoyed receiving your literature

COLLEGE'S STUDENT EMPLOYEES ARE GRANTED WAGE INCREASES

WORKERS' PETITION REQUESTS MORE MONEY

Pres. F. D. Farrell Warns that Eventually Either Number Having Jobs or Hours Worked Will Be Cut

An increase of five to ten cents an hour in the hourly wage scale for College student employees in the Custodian department went into effect January 1. The increase, announced by Pres. F. D. Farrell last week, came after a petition for higher wages had been presented by the department's employees.

The higher wages eventually will result, President Farrell said, either in a decrease in the number of employees or in the number of hours worked since there has been no increase in wage funds.

LABOR IS CLASSIFIED

Under the new rules, student labor is divided into unskilled and skilled classifications. Wages for unskilled student labor will be 25 to 30 cents an hour. The 25 cent rate will not be continued for any one student more than one semester of regular employment as a student worker.

Skilled student labor, such as is done by stenographers, technicians, draftsmen, carpenters and the like, receives 35 cents an hour with a maximum rate of 40 cents an hour. Only in exceptional cases will higher rates be paid. Any rate paid depends upon the character of the work and the ability of the student.

PREVAILING WAGE TO OTHERS

Until January 1 the hourly rate bracket was 20 cents an hour for unskilled labor, 25 cents for the common worker and 30 cents for skilled labor. Under the new plan, all rates of pay above 40 cents require the written approval of the dean of the division employing the worker.

Present regulations provide that laborers on the hourly payroll, not students, shall be paid the scale of wages prevailing in this vicinity for the kind of work in which they are engaged.

Members of a committee appointed by President Farrell to draw up the new wage scale were Prof. M. A. Durland, assistant dean of the Division of Engineering and Architecture; Dr. W. E. Grimes, head of the Department of Economics and Sociology; and Mrs. Bessie Brooks West, head of the Department of Institutional Management.

KENDALL EVANS, BOB GAHAGEN WILL HEAD COLLEGIAN STAFF

Californian Succeeds Mary Margaret Arnold as Editor of School Paper

The Board of Student Publications Tuesday named Kendall Evans, Berkeley, Calif., and Robert Gahagen, Manhattan, editor and business manager, respectively, of the Kansas State Collegian, student semi-weekly newspaper. The appointments will be for the spring semester.

Evans, who succeeds Mary Margaret Arnold, Manhattan, has filled nearly all of the positions on the editorial staff of the Collegian, serving as associate editor during the past two semesters. A senior in industrial journalism and printing, he is president of the College chapter of Sigma Delta Chi, national professional journalistic fraternity.

Gahagen, who is a journalism junior, had been an assistant business manager for three semesters. He was business manager during the past nine weeks of the current semester.

The Board of Student Publications announced that all appointments are conditional on those named meeting requirements of the Scholastic Eligibility Committee at the end of this semester and later.

Poultry Short Course Starts

Twenty-three persons are enrolled this week in a Poultry short course conducted by the faculty of the Department of Poultry Husbandry and related departments. The program, explained Prof. L. F. Payne, head of the poultry husbandry department, is designed particularly to aid poultry produce service men. Monday's sessions were devoted to packing plant problems and Tuesday's to culling and breeding work. Today, tomorrow and Friday, feeding, management and disease control problems were scheduled for consideration.

Jobs to Chemical Engineers

Robert Deatz, Hutchinson, and Rodney Johnston, Central City, Neb., have accepted positions with the Texas company at the Port Arthur, Texas, refinery. Deatz is a senior and Johnston a graduate student in chemical engineering at the College. Ed Gustafson of Lindsborg, senior in chemical engineering, has accepted a position with the Tennessee Eastman corporation, Kingsport, Tenn., manufacturers of plastics. The three men will report for work after graduation this spring.

PROF. HAROLD HOWE ANNOUNCES LISTS OF 39 RECENT FRATERNITY PLEDGINGS

FACULTY SPONSOR REPORTS TOTAL FOR YEAR SINCE SEPTEMBER IS 233

Fraternity pledging bringing the total during the present school year to 233 were announced recently by Dr. Harold Howe, faculty sponsor of fraternities.

Men and fraternities on a list released last month were:

Acacia—Charles F. Hall, Springfield, Mass.; Richard C. Hall, Goodwell, Okla. Alpha Gamma Rho—Max Roberts, Chanute; Milton Woodricker, Scott City. Alpha Kappa Lambda—Virgil W. Bolton, Smith Center. Beta Theta Pi—Craig Bachman, Wichita; Philip Sechler, Hutchinson. Delta Tau Delta—Pat Heleker, Marysville; W. Edward McDowell, Paola. Kappa Sigma—Forest Campbell, Concordia. Farm House—Leon Cox, Anthony; Phil Nicholas, La Harpe. Phi Kappa—Carl Voelker, Manhattan. Phi Kappa Tau—Verle Buffington, Marquette; Vinton Puckett, Manhattan. Pi Kappa Alpha—Don Stiers, Alma. Sigma Nu—Galen Frantz, Rocky Ford, Colo.; John E. McFall, Wichita; James A. McRoberts, Dallas, Texas; Robert E. Shaw, Wichita. Sigma Phi Epsilon—Charles Parizo, Manhattan; Theodore Reed, Norton; Robert Yapp, Manhattan.

An additional 15 men were named to fraternity membership in the fifth fraternity release of the school year. The men and their fraternities:

Alpha Gamma Rho—Mac Fox, Larned; Ralph Lowrey, Larned; Alpha Kappa Lambda—Raymond Ade, Wells; William Cope, Holton; Shirley Mollhagen, Lorraine; Paul Schroeder, Lorraine; Dale Stephens, Norwich; Alpha Tau Omega—Don Borthwick, Beeler; Thomas Quinn, Manhattan.

Delta Tau Delta—Jack Roberts, Parsons; Farm House—Clarence Zarnowski, Newton; Kappa Sigma—Charles Saterlee, Junction City; Phi Delta Theta—Clayton Griffiths, Santa Barbara, Calif.; Donald Lunt, Yankee Hill, Calif.; Dick Schindling, Leavenworth.

THREE FACULTY MEMBERS AID VICTORY GARDEN WORK

Amstein, Longsdorf and Miss Smurthwaite Are Designated at Meeting

Three members of the Division of College Extension were named chairmen of committees for the "victory garden" campaign in Kansas at a statewide garden meeting in Topeka Monday.

W. G. Amstein, extension horticulturist, and Miss Georgiana Smurthwaite, state home demonstration leader, are co-chairmen of the farm garden committee. L. L. Longsdorf, extension service editor, is chairman of the publicity committee.

An effort will be made to enroll as many city dwellers as possible and all the 150,000 Kansas farm families in the project. County conferences similar to the state meeting, at which Dean H. Umberger of the Extension division presided, will be held before a house to house canvass is made to persuade as many people as possible to plant gardens.

COLLEGE LIVESTOCK JUDGES WIN FIFTH AT DENVER SHOW

Prof. F. W. Bell Is Coach of Team Entered in Intercollegiate Contest

The College livestock judging team at the National Western Livestock Show in Denver, Colo., placed fifth in the intercollegiate judging contest held in connection with the show Saturday.

Members of the team accompanied by their coach, Prof. F. W. Bell, included Harry Duckers, Netawaka; Norman Kruse, Barnes; James Nielsen, Marysville; Frank Wilson, Mapleton; Jack Wilson, Burrton.

Nebraska won the contest.

WILDCAT BASKETBALL SQUAD PREPARES TO PLAY SOONERS

OKLAHOMA WINS CONTEST, 47-40, AT NORMAN

Couch Jack Gardner Says Team Is Improving Despite Losses of Two Big Six Conference Games to Date

Coach Jack Gardner intensified shooting drills this week as he continued practices as he prepared the Wildcat basketball squad for its contest with the University of Oklahoma Sooners in Nichols Gymnasium Saturday night.

The Sooners handed the Wildcats their second conference defeat of the season last Saturday night, 47-40. Without Gerald Tucker, who was recently disqualified for the remainder of the present semester, the Oklahomans substituted another rangy center, Paul Heap, who led the Sooners scoring with 14 points.

SQUAD SHOWS IMPROVEMENT

Despite the seven-point loss at Norman, Coach Gardner said this week that his 1942 basketball club turned in their best performance of the season against the Sooners. The squad, he said, has shown a steady improvement since the season opened.

One of the most improved players on this season's team is senior Danny Howe, Stockdale, Coach Gardner reports. Howe, who as a sophomore center showed much ability to handle rebounds and to shoot accurately, was not up to his sophomore standard either last season or in the early part of the present season. Saturday night, Howe led the Wildcat scoring with 12 points from the pivot position.

DEPEND ON SOPHOMORES

Sophomores play a major part in any strategy which Coach Gardner may use in court play this year. Six of the ten members of the traveling squad are sophomores. They have been handicapped in their first two games by playing on strange courts when they really needed the confidence they would have had if playing in Manhattan, Coach Gardner said.

The coach rates the Oklahomans, even without Tucker, a stronger team than last year's aggregation. The Sooners made 47.5 per cent of their shots when they routed the Wildcats Saturday night. The Kansas Staters made 25 per cent of their shots.

COLLEGE'S 16 HOLSTEIN COWS SET HIGH BUTTERFAT RECORD

HERD AVERAGE WAS 360 POUNDS. NATIONAL GROUP REPORTS FROM BRATTLEBORO, VT.

Kansas State College owns 16 registered Holstein cows that produced enough milk during the past test year to provide 53 families with four quarts of milk daily for the entire year. The herd average was 360 pounds butterfat from 10,326 pounds milk per cow, reported the Holstein-Friesian Association of America, Brattleboro, Vt.

This butterfat average is twice as much as that of the country's average dairy cow, using United States Department of Agriculture statistics as the basis of comparison. Fifteen members of this Holstein herd were milked three times daily, the other one twice.

The highest producer in the herd was Prilly Creator Innocence, a junior 3-year-old that produced 543 pounds butterfat from 14,918 pounds milk in 362 days.

EVERYDAY ECONOMICS

By W. E. GRIMES

"People who were far away a few decades ago now are close neighbors."

Developments in the means of transportation and communication result in many changes in human relations. Modern means of transportation and communication are numerous and varied. They make it possible for people to travel great distances in a relatively short time. They bring a wide variety of products from distant points to our homes. They make it possible for us to hear tonight the happenings of tomorrow morning in Singapore or some other distant point.

A list of the means of communication includes the mail services, the radio, the press, the telegraph and, to a limited extent, television. Transportation facilities include the railroads, highways, automobiles, trucks,

Set Hospitality Days Theme

"United for Service" will be the theme of Hospitality Days April 10 and 11, said Marcile Norby, Cullison, general chairman. The theme was chosen by the Hospitality Days steering committee with the approval of Dean Margaret M. Justin of the Division of Home Economics.

GOLF, TENNIS VARSITY COMPETITION DROPPED BECAUSE OF LOSS IN FUNDS

Baseball, Swimming and Wrestling Schedules Will Be Curtailed to Big Six and Contracted Games

Athletics officials announced last week that there would be no varsity competition in either golf or tennis this year, and that baseball, swimming and wrestling schedules would be limited to Big Six conference competition and to those intersectional contests already contracted.

The reason for this curtailment of varsity sports, said M. F. "Mike" Ahearn, director of athletics, was the reduction of football receipts during the 1941 football season.

Early season reverses by the Wildcats eleven, and bad weather during the later games were blamed for the losses, which reached nearly \$18,000.

The elimination of the two sports from varsity competition affected only about ten men, Director Ahearn reported. It was decided that they could be entirely eliminated.

Other minor sports will continue with training programs, but will compete in fewer matches.

FARM, HOME WEEK VISITORS TO HEAR HOW TO AID NATION

(Continued from page one)

Campus are the Rural Pastors' organization that will hold its second annual conference, the Kansas Crop Improvement Association, the various state dairy and livestock breed associations and the state swine breeders' association. The Fifth Annual Journalism Conference is scheduled. Winners will be announced in the Kansas Blue Ribbon seed corn show, the third annual state dressed turkey show, the certified seed show, the Kansas beef production contest, and the poultry show.

During the week, Kansas master farmers and master farm homemakers of 1941 will receive awards at the annual banquet Friday evening. Both groups have scheduled business meetings for Friday. Awards will also be given to those extension-farm bureau women's units that have maintained the requirements of the Standard of Excellence.

Besides educational features, musical programs are planned for each day. On Wednesday and Thursday evenings during the Home Talent Festival, dramatic and music groups from a large number of Kansas counties will present a miscellaneous program. The annual costume review is arranged for Thursday evening. The Little American Royal livestock and dairy show has been planned for Thursday.

Plan Ag-Home Ec Mixer

Students in the Divisions of Home Economics and Agriculture are planning a joint mixer for February 7 in Nichols Gymnasium. Patricia Beezley, Girard, and Bertil Danielson, Lindsborg, co-chairmen of the committees on plans, predict an interesting evening of dancing and games.

TUCKER DECLARED INELIGIBLE UNTIL END OF THIS SEMESTER

AHEARN CONSENTS TO RULING IN LETTER TO OKLAHOMA

Conference Faculty Committee Modifies Earlier Decision Allowing Migrant Athlete's Return to Court Next Month

Gerald Tucker, sophomore center for the University of Oklahoma basketball team, whose transfer from the Kansas State College campus to Oklahoma created a furor in Big Six circles last year, was declared ineligible last week until the end of the present semester.

The case was officially closed on January 8, when M. F. "Mike" Ahearn, director of athletics, approved the validity of Tucker's reasons for leaving Kansas State College and gave his written approval in a letter to L. E. Haskell, director of athletics at Norman.

AHEARN GIVES CONSENT

Ahearn's letter said: "As far as I know the reasons given in your letter of January 6, for Gerald Tucker's withdrawal from Kansas State are correct. I had no objection to his withdrawal and would have consented to it, if requested to do so, in conformity with Article 11 of the 'Rules and Regulations,' and I offer no objection now to his becoming eligible at the close of the present semester."

Tucker was declared ineligible for any competition in the Big Six by the conference eligibility committee two weeks ago after an official complaint from Dr. F. C. "Phog" Allen, University of Kansas basketball coach, who objected to his participation on the grounds that Tucker had not yet completed two full semesters of required work at the University of Oklahoma as specified in the rules governing eligibility.

OKLAHOMA FAILED TO WRITE

There also was some question as to Tucker's compliance with the rules governing migrant athletes. These rules specify that the student shall give his reasons for the transfer to officials of the new college, and that these officials must correspond with officials at the student's former school to ascertain the validity of these reasons. There had been no correspondence between the University of Oklahoma and Kansas State College on that subject until this month.

After an appeal by Oklahoma officials to the conference faculty council, the original declaration of ineligibility was modified, making Tucker eligible after the end of the present term, when he will finish his second full semester at Oklahoma.

Ahearn would make no comment on the case other than what was contained in the letter, but Jack Gardner, basketball coach at Kansas State, said:

SHOULD STAY IN OWN STATE

"The conference rule covering migration of athletes is clear and was violated. The committee's original decision which barred Tucker from Big Six conference competition was correct and Oklahoma should feel very fortunate indeed that the decision was changed allowing Tucker to play after the first semester upon Kansas State's approval."

"It is not now and never has been my idea to hurt the boy," he continued, "but the whole situation could have been avoided had Oklahoma university confined its rushing to Oklahoma boys."

MARY CAWOOD IS ELECTED HONORARY CADET COLONEL

Mary Griswold, Ruth Weigand Attendants at Annual All-School Affair

Mary Cawood, a sophomore in home economics from Wetmore, was honorary cadet colonel at the annual Military ball in Nichols Gymnasium Saturday night.

Mary Griswold, Chi Omega, a senior in home economics from Manhattan, and Ruth Weigand, Topeka, a junior in general science and a member of Pi Beta Phi sorority, were the attending officers. The dance, the only all-school formal dance of the year, is sponsored by the Cadet Officers' Club.

During the evening, an exhibition drill of a rifle drill squad of twenty-four senior officers performed under the direction of Dick Powell, Kansas City, cadet officer. Sgt. Everett Gammon of Ft. Riley also sang two songs.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, February 4, 1942

Number 16

PRESIDENT AND DEANS ANNOUNCE ACCELERATED PROGRAMS OF STUDY

REQUIREMENTS FOR DEGREES MAY BE COMPLETED SOONER

SPEED-UP PLANS CALL FOR GREATER NUMBER OF REQUIRED COURSES TO BE OFFERED DURING SUMMER SESSIONS

Accelerated programs of study for Kansas State College students who may desire to complete work for degrees in less than the normal time were approved recently by the College Council of Deans, it was disclosed by President F. D. Farrell.

In announcing that students who are willing and able to put in more school hours each year will be given an opportunity to complete a four-year curriculum in three years, President Farrell called attention to the fact that the accelerated programs would be made possible without any drastic changes in the College procedure.

OFFER MORE IN SUMMER

Kansas State already offers regular college instruction six days a week, 11 months a year. For this reason, said Doctor Farrell, accommodation of the four-year curricula to a three-year schedule, and the five-year veterinary medicine curriculum to four years, will be effected without the revolutionary changes which may be necessary in some schools.

The plans called principally for the offering of more courses during summer sessions—so that students could take required subjects during these periods—and the allowing of slightly heavier schedules in advisable cases. The additional courses will be taught by 12-month teachers, who may be expected to reduce their research work accordingly. The College normally offers almost 400 subjects during the summer session.

PLAN SEVERAL PROGRAMS

Students wishing to follow an accelerated program will be advised to consult their deans in advance for a selection of subjects that will "both fit the accelerated program and provide for the completion of requirements for graduation."

"Some" of the possible stepped-up programs approved by the deans were described by the president as follows:

"Members of the class of 1945 who complete the freshman work in May, 1942, may be graduated in July, 1944, by attending the summer sessions of 1942, 1943 and 1944 and completing a total of 9 semester hours of extra assignments during the four semesters of the academic years 1942-43 and 1943-44." Thus the student would lose ten months, a school year, from the time required to gain a degree.

Students in the class of 1944 "who complete the sophomore work in May, 1942, may be graduated in January, 1944, by attending the regular session of 1942-43, the first semester of 1943-44 and the summer sessions of 1942 and 1943. By this arrangement a student would be graduated 4 months earlier than normal."

Students who, at the end of the spring term this year, are within three semesters of graduation, "may be graduated in July, 1943, by attending the summer sessions of 1942 and 1943 and both semesters of the academic year 1942-43," thus saving six months.

COLLEGE DEGREES EARLIER

Students lacking 1 1-2 semesters on May 24, 1942, may save four months and finish in January, 1943, by attending the summer session of 1942 before attending the first semester of 1943-44. Students lacking not more than one-half semester on May 24—the end of the spring term this year—may attend the summer sessions of 1943 and be graduated July 24, 1943.

The program will make it possible for students who complete high school work next May to receive college degrees in July, 1945, ten months earlier than normal, by attending the summer sessions of 1942, 1943, 1944 and 1945, in addition to the

(Continued on last page)

GRAD DIES IN PLANE CRASH

Lt. Conner G. Hopkins of Parsons, a Kansas State College graduate in 1940, was killed January 19 in an army bomber crash near McChord Field, Wash., according to word received by his parents at Parsons. Hopkins was co-pilot of the bomber. He was graduated from Kansas State College in business and accounting and then entered the army air corps. While in college he was a member of the Student Commerce Association, the Episcopalian Wise Club, and Pi Kappa Alpha, social fraternity.

COLLEGE SPRING ENROLMENT DROP MUCH LESS THAN IS EXPECTED HERE

REGISTRATION OF 3,104—REPORTED BY MISS MACHIR, REGISTRAR—REPRESENTS 13.3 PER CENT REDUCTION

The total enrolment at the College, at the close of the registration period last Thursday noon, was 3,104, according to Miss Jessie McDowell Machir, registrar. The figure represents a drop of 13.3 per cent, as compared with the enrolment at the close of registration a year ago.

The enrolment decrease was considered moderate in view of the doleful predictions made in many quarters concerning college and university rolls in general.

A complete breakdown of the enrolment by divisions follows:

DIVISION OF AGRICULTURE

Freshmen	151
Sophomores	100
Juniors	96
Seniors	108
Special	3
Total	458

DIVISION OF GENERAL SCIENCE

Freshmen	265
Sophomores	189
Juniors	170
Seniors	168
Specials	6
Total	798

DIVISION OF ENGINEERING

Freshmen	259
Sophomores	213
Juniors	199
Seniors	163
Total	834

DIVISION OF HOME ECONOMICS

Freshmen	191
Sophomores	183
Juniors	199
Seniors	148
Specials	1
Total	722

DIVISION OF VETERINARY MEDICINE

Freshmen	49
Sophomores	57
Juniors	45
Seniors	53
Total	204

DIVISION OF GRADUATE STUDY

Total	90
-------	----

With a dual assignment of two students, the net enrolment was 3,104.

FEEDING GRASS SILAGE HELPS KEEP YELLOW COLOR IN MILK

SEVERAL KANSAS DAIRYMEN FOLLOW BENEFICIAL PRACTICE, REPORTS PROFESSOR

Several Kansas dairymen are feeding grass silage to their dairy cows to maintain the rich yellow color of the milk and cream, according to Dr. H. E. Bechtel of the Department of Dairy Husbandry.

"Grass silage retains more of its carotene than does hay cured by ordinary methods," Doctor Bechtel points out as one advantage of the feedstuff. "Another distinct advantage of grass silage is that it may be harvested during rainy weather. This is especially important with the first cutting of alfalfa, since it and the spring rains usually come together," he added.

Grasses may be harvested at the same stage of growth as for hay, although grass silage is frequently made from crops cut at slightly earlier stages of maturity. Cereal crops, Doctor Bechtel said, may be cut in the milk or soft dough stage, except rye, which should be cut before the head emerges from the boot.

TO KANSANS



James Russell Wiggins, above, managing editor of the St. Paul, Minn., Dispatch and Pioneer Press, will speak at a general assembly of Farm and Home Week visitors, faculty members and students, Thursday afternoon at 3 o'clock in the College auditorium.

Wiggins, one of the youngest and ablest metropolitan news executives in the country, will speak on the topic, "Covering Washington," drawing on several years' experience as a Washington correspondent for his material.

He also will speak at an Editors' Dinner Thursday night in Thompson hall, discussing "The Social Function of the Newspaper." In addition to working as a Washington correspondent and a managing editor, Wiggins has seen service as a reporter on both rural and metropolitan papers, an editorial writer, and a publisher.

PROF. W. E. DAVIS, RESEARCHER IN GERMINATION OF SEEDS, DIES

DEATH IN JANUARY ENDS 30 YEARS OF SERVICE TO COLLEGE AND INTERRUPTS SCIENTIFIC INVESTIGATIONS

Prof. W. E. Davis, Department of Botany and Plant Pathology, died in Manhattan January 17 at 75 years of age. His death ended more than 30 years' service to the College where he conducted extensive research in seed germination.

In expressing his regret that Professor Davis was unable to complete several important scientific papers before his death, Prof. L. E. Melchers, head of the botany department, said, "Professor Davis had published extensively on the physiologic processes of germinating seeds and was an authority on the subject. He had made some discoveries that are new to the science of plant physiology. Certain of his research in past years has been placed into use in the commercial seed trade."

Professor Davis, who came to Kansas State College in 1909, was a member of the Botanical Society of America, American Society of Plant Physiologists, American Society of Botany, Sigma Xi, Phi Kappa Phi and Kansas Academy of Science. He graduated from Ohio Normal University and received his A. B. degree from the University of Illinois.

Funeral services were conducted in the Congregational church. Burial was in Zanesville, Ohio.

LT. BRUCE NIXON REPORTED ON CORREGIDOR ISLAND

FORMER PRESIDENT OF STUDENT COUNCIL WITH FORCES OF GENERAL MACARTHUR

Lt. Bruce Nixon, a graduate of Kansas State College, is now stationed at Corregidor Island under the command of General MacArthur, according to word received from Mrs. Nixon, the former Dorothy Taylor, H. E. '36.

Lieutenant Nixon received a degree in commerce in 1936. While in school he was a member of Alpha Tau Omega fraternity, president of the student council, and was captain of the track team during his senior year.

700 RURAL FOLK ATTEND EARLY

Sessions of Farm-Home Week

President Farrell Tells Visitors American Civilization Depends largely upon Continuity and Reliability of Supplies from Six Million United States Farms

The first arrivals of an expected 1,500 rural folk attended sessions of seven conferences yesterday and today as the seventy-third edition of Farm and Home Week got under way on the College campus. Registration at noon today was approximately 700 persons, representing most of the 105 counties in the state.

Opening the farm tenure program in West Waters hall this morning, Pres. F. D. Farrell declared that "American civilization depends largely upon the continuity and reliability of certain supplies from the six million farms in the United States."

"Farm tenure—the conditions under which farms are held and operated—is invested with great public interest," he said. "Tenure is one of the major factors in determining the nature, the economic and social feasibility and the permanence of agriculture. These, in turn, determine the adequacy with which agriculture and rural people meet the inexorable needs of the public for food, the raw materials of clothing, and a continuing supply of vigorous human stock."

TENURE CONDITIONS COMPLEX

Doctor Farrell listed five facts which he said affected farm tenure in the United States. First, he said, farms are decreasing in number and increasing in size. Second, tenure conditions are highly complex, since about one-half the farms are operated by their owners, 40 per cent by tenants, and the remainder by part-owners and by managers.

A third point, he said, is that many persons regard tenancy as, in itself, an evil form of farm tenure; and a fourth has two "invalid" points of view: One that all tenants are worthy but exploited, and the other that all landlords are intelligent and generous and all tenants ne'er-do-wells.

Farm tenure that conserves the land resources and safeguards the social and economic interests of those who occupy the land is in the public interest, President Farrell mentioned as the fifth fact. This is "the kind of tenure for which we all should strive. There are excellent reasons why it should include tenancy as well as owner-operation."

HEAR B. A. E. REPRESENTATIVE

Dr. W. E. Grimes, head of the Department of Economics and Sociology, presided over the morning farm tenure program, which included an address on "Landless Farm People in the United States," by Marshall Harris, Bureau of Agricultural Economics, U. S. D. A., Washington; and a discussion of "Land Tenure in the United States," by Joseph Ackerman, Farm Foundation, Chicago.

J. W. Martin, instructor in the Department of Agricultural Engineering, speaking Tuesday afternoon to a joint session of the Home Economics and Rural Electrification visitors in Willard hall, predicted that electrical farm equipment would become increasingly difficult for farmers to obtain. The reason, he explained, is that the equipment requires the same materials needed for planes, tanks and munitions. In planning for the future, Martin suggested, farmers can make use of homemade electrical equipment.

The shortage of farm workers and the ability of electrical equipment to take the place of labor were discussed by Walter E. Carleton, instructor in the same department, who also gave a demonstration of the fundamentals of rural electrification.

Elmer H. Smith, agricultural engineering instructor in the College Extension service, emphasized proper nutrition during the war period and discussed in some detail steps in assuring an adequate nutrition program.

E. D. WARNER PRESIDES

Other speakers on the Rural Electrification program included Miss Leoti W. Crays, Salina, home service director of the Kansas Power and Light Company, who discussed "The Electric Range in the Farm Home," and O. D. Hunt, associate professor in the College Department of Electrical

(Continued on last page)

ANNUAL ENGINEERS' OPEN HOUSE IS SCHEDULED MARCH 13 AND 14

SEE NO REASON FOR SKIPPING SHOW THIS YEAR

1942 EXPOSITION WILL FEATURE "SOMETHING NEW AND DIFFERENT," SAYS PUBLICITY CHAIRMAN—LARRY SPEAR MANAGER

The 22nd annual showing of Engineers' Open House, yearly exposition of the Division of Engineering and Architecture at Kansas State College, is scheduled for March 13 and 14. The decision was made in a recent meeting of committee heads after considerable discussion on the advisability of holding the exposition under war-time conditions.

It had been recommended that the engineers either drop their Open House plans or have a restrained showing of the various departments in the Engineering division and those related to it. But the engineering students feel that now, if ever, is the time to put forth their best efforts and exercise their ingenuity to the fullest extent, says Bill Bixler, publicity chairman for the exposition.

The motto for this year's showing will be "something new and different." Because of

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKRAY.....Editor
CHARLES M. PLATT, JANE ROCKWELL, PAUL L.
DITTEMORE, ALBERT HORLINGS.....Associate Editors
KENNEY FORD.....Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in instalments. Membership in alumni association included.



WEDNESDAY, FEBRUARY 4, 1942

ACCELERATED STUDY PROGRAMS

Our entrance into the war has given rise, naturally and properly, to a demand that the time required for completing a college course, particularly a technical course as is engineering, medicine or physical science, be drastically reduced. The colleges are responding promptly to this demand. Kansas State College, for example, has announced plans whereby a student may complete a four-year course in three years. In connection with the shortening of the time in which a student may complete his studies and so become qualified sooner than usual for maximum service there are two important facts that the general public may not fully understand.

The first is that the granting of a college degree does not, in itself, constitute four years of college training. In the usual course of events, the college student spends 144 weeks in study, in class and in laboratory to complete a four-year course. Normally he spends about 48 weeks—three summer vacations and four Christmas vacations—away from his college work from the time of his entrance as a freshman to the time of his graduation. By reducing or omitting these vacations and devoting to college work the time thus saved he may be graduated sooner than usual. Only by doing the college work can he obtain the college training. The college diploma is only evidence that he has done the work. If a college should award a bachelor's degree to a junior or a sophomore, the student would still be a junior or a sophomore.

The second important fact is that not all students will be able, financially and otherwise, to devote more than the usual 36 weeks a year to college work. This is particularly true in those parts of the country, like the Middle West, where a large proportion of college students pay their college expenses with their own earnings and where many students must be at home a part of the year to assist with farm work and other tasks.

By increasing the already heavy teaching loads of faculty members, by eliminating from the curriculum the least essential subjects, by operating six days a week and during the summer months and in various other ways, the colleges will offer accelerated programs of study. These programs contain no magic. They would be a disservice to the public and to the war effort if they involved abandonment or serious impairment of sound educational standards. They will be available to those students who are able to pursue them. It is to be hoped that the number of such students will be large for the nation's demand for technically trained college graduates far exceeds the supply.

THE RIGHT OF OPINION

"I have a right to my own opinion," you may say, and of course you have. As an American you have the unquestioned right to think as you please, and, within limits, to express your opinions. No one who believes in the principles of democracy would deny you that privilege. You may speak your mind even if you are wrong in your facts and ideas, for there is no one in America who is delegated to decide what ideas are good and what are bad. So long as

one avoids violence or slander he may speak his mind freely.

But some things are legal without being proper, without being in good taste, and the exercise of the right to speak may be one of them. All expressions of opinion are equal before the law but all are not equally entitled to a hearing. The right to speak involves certain responsibilities. One may not properly express an opinion unless it is based upon fact and developed with thought and reason. This is especially true when the expressions of opinion affect others, as they so often do. You may think ill of a person, but you have no right to express an unfavorable opinion about him until you have taken pains to find out whether your idea is justified by facts. That is, you may not properly express yourself adversely about another unless your feelings are based on positive evidence. No one has a moral right to engage in idle gossip.

You have a legal right to air your views on a question of public policy, but the very fact that you enjoy such a precious privilege—a privilege denied to the people of most countries—should make you very careful about the way you exercise it. Don't bring the right of free speech into disrepute by expressing merely prejudices instead of informed opinions. One does not express sound, reasonable, and beneficial opinions without effort. Sane, logical opinions do not come natural to people. One does not form valid opinions with the effortless ease with which a duck swims. Opinions worth expressing are based on solid facts; on information which is sometimes elusive. When a person takes the pains involved in running down facts, in building them into a system of ideas; when he bases his opinions on evidence and critical thinking, he has a right to express his ideas—a right which is on a higher plane than the right of the ill-informed to speak.

It is entirely proper that we should value our right to speak freely. It is our duty to preserve that right. But we should think of duties as well as rights. The value and worth of any right depends upon the way it is used. We possess a precious privilege—the right of free thought and speech. This is a fine-edged tool with which we may, if we are skilled workmen, help to fashion a better society; a greater nation. To use this tool slothfully or inefficiently is to break faith with the men and women who have, through the long years of our history, won and preserved for us the liberties we enjoy.—Walter E. Myer in *The American Observer*.

THE TEACHING OF SCIENCES

What we now need, I think, is some study of the techniques employed by science writers. Out of this will come a picture of the need of a new way of teaching science in our high schools, colleges and universities. After all the science writers of the press have to take their public as they find it, and there is still far too much gasping in print at the marvels of science and far too much "human interest" in science reporting because of the low educational level in this country.

Every teacher of science now lectures as if he had sixty potential Darwins, Pasteurs or Roentgens before him. His procedure is that of a man who thinks he is turning out professional scientists. Some laboratory and field work is necessary in order to show what the scientific method is, but a year or two of that ought to be enough. The professor of English literature does not cherish the illusion that he is training professional dramatists and poets. He teaches English literature as a cultural subject. And so, I think, it should be with science.

We need courses in the history of science and courses which show the immense influence of science on outlook, on art, on thinking, on society in general. The principles that have guided research scientists should be inculcated. It is impossible, for example, to teach relativity or quantum theory mathematics to all but a specially prepared few, but it is possible to demonstrate the kind of reasoning that gave us both. And so it is with some of the more recondite phases of biology and physics. Give us a public with such an educational background and you will see an immense improvement in science reporting in the small-town newspa-

ZAHNLEY PREDICTS 'SIGNIFICANT' INCREASE IN SOYBEAN ACREAGE IN KANSAS THIS YEAR

K-State Professor Says Crop Can Be Grown Successfully in Eastern Part of State if "A Few Fundamental Practices Are Followed"

A "significant" increase in the acreage of soybeans in Kansas for 1942 over that of last year is predicted by J. W. Zahnley, professor of farm crops at Kansas State College.

Soybeans, Zahnley says, can be grown successfully in the eastern third of Kansas, where climatic and soil conditions are favorable, "provided a few fundamental practices are followed by the grower."

Soybeans may be planted as soon as corn planting is completed. May 20 to June 5 is a desirable time in the eastern third of the state. Soybeans may follow small grain, corn or sorghums, but in all cases the ground should be fall-plowed and cultivated enough in the spring to keep down all weeds. "It is better to plant late than to plant on weedy ground," Zahnley advises. Soybean seed should be inoculated, particularly if the land has been without soybeans for two or three years.

TWO-INCH FURROWS BEST

It is essential that surface planting be done, Zahnley said. Planting in linter rows is never desirable, he said, adding that the most desirable method is to use a corn planter set to open furrows about 2 inches deep. Between 25 and 30 pounds of seed should be used per acre when planting in cultivated rows. On good weed-free land, however, soybeans may be drilled in with a grain drill, using 70 to 90 pounds per acre.

Shortly after the plants come up,

pers, where it is still not what it should be.

The proof of this argument is to be found, I think, in the educational influence of the automobile, the kodak and radio. When I first wrote about automobiles early in the century, I had to explain what a carburetor or a differential was. And in the early days of radio I had to go into such elementary matters as the wave-conducting function of the ether. Now the public has a technical vocabulary. It knows so much about engines, so much about vacuum-tubes that we can use such terms as "high octane number" for gasoline and "electrons" in discussing tubes.—Waldemar Kaempffert, science editor of the New York Times.

NEED FOR ACCURATE WAR NEWS

Democratic forms of government can operate effectively only if the people are provided with honest and accurate information. Without it their elections are meaningless and their power to choose and control their legislatures purely nominal. Only totalitarian regimes can afford to tell the people nothing—or tell them lies.

If information about their own affairs is essential to proper working of any single democracy, information about their mutual affairs is so much the more essential to any program of joint action in which several democracies may engage. The information services of the many States at war with the Axis, and especially those of the English-speaking countries, have therefore in 1942 a task only slightly less important than those of the fighting and supply services.—Rt. Hon. Brendan Bracken, British Minister of Information, in Bulletins from Britain.

PATRIOTIC SCHOOL BUSES

The United Commercial Travelers are advocating the painting of all school buses red, white and blue, arguing that it not only has a real patriotic appeal, but it will also provide additional safety.—From Highlights.

FIBER FROM MILK

Prolon, a new furlike fiber more velvety to the touch than rabbit fur used as felt for men's hats, is now being made from skimmed milk. Experts estimate that during her lifetime a good cow can furnish the equivalent in prolon to the fur of 6,000 rabbits.—From the Pathfinder.

IN OLDER DAYS

From the Files of *The Industrialist*

TEN YEARS AGO

Prof. L. R. Quinlan of the Department of Horticulture was appointed by the city commissioners to succeed

addition to the Girls' Industrial School, for which he had the contract.

State Secretary Wilbur, of the Kansas Gospel Union, visited the College and organized a county committee of the Union while here, of which Assistant Marlatt was elected president.

SIXTY YEARS AGO

Warren Knous, '82, was a visitor at the College.

President Fairchild was called to Topeka to explain the needs of the College to the legislative committee.

At the regular meeting of the Webster Society, Messrs. H. O. Benedict, S. M. Houser and D. P. Barry were elected members of the society and Mr. Barry was initiated.

KANSAS POETRY

Robert Conover, Editor

PORTRAIT IN A CHURCH PEW

By Blanche M. Irving

She wore the new dress proudly in the corner pew
Accustomed to her drabness. The good,
dark print
Resembled its predecessor, except the
cloth was new
And crisp, the pattern was the same...
Still, secretly, she was disappointed
When no one observed
That she looked nice. Others were begin-
ning complimented
With sly church-glances, but she sat
stiffly erect, unswerved
In her devotion, and yet... not quite
contented.

Blanche M. Irving of Haviland is a native of Cameron, Mo., and a graduate of the Maryville, Mo., State Teachers college. Mrs. Irving writes a weekly column, "Over the Kitchen Sink," which appears in the Pratt Tribune and has had her verse published in numerous newspapers and magazines including the Kansas City Star, Kansas City Poetry Magazine, Kansas Clubwoman. She has won awards for prose and poetry in Kansas Authors Club competition.

SUNFLOWERS

By H. W. Davis

AWFUL OUTLOOK
A prominent pathologist foresees a life-span of 150 years in the not too distant future, or so say the papers.

"Fine!!" I thought, when I glanced at the story. Then I thought again. It was a mistake to think again. Always is. I'm still worrying about it.

In the first place, a life-span of 150 years leaves taxes as the only immediately sure thing on earth. We shall have to surrender our beautiful phrase, "death and taxes," when we prate of imminent certainties.

The next worry is grandchildren, great-grandchildren, great-great-grandchildren—figuring intervals of 25 years for the generations. And if the period of youth and manhood is extended, as it undoubtedly will be, there is a likelihood of some of one's children being younger than maybe some of his great-great-grandchildren, and of boys and girls having to loaf around waiting to rock-a-bye their great-uncles and great-aunts.

Relatives are hard enough to unsnarl when we die at 75. If we live on for another three-quarters of a century, they will be the world's major worry.

Then if the ages of man—babyness, childhood, youth, maturity, etc.—are extended to fit the new span, with girls of 32 who have never been kissed, boys of 40 slipping nickels in juke boxes, and men and women of 80 just starting in on a 20-year stretch of roaring, it will be too, too awful. And we shall have to wait until 110 or 120 to mellow off into the sensible, kindly sort, fond of October sunsets and the prattle of great-great-grandchildren. What a life!

Well, I got to playing with the possibilities of that life-span of seven-score-and-ten and couldn't stop. There isn't any stopping. Being a foxy grandpa of 50 to 60 is a perilous enough lot, for instance. But what about cutting capers and trying to rhumba with four or five succeeding generations looking on ashamed of you and hoping you'll break your fool neck before your brittle old bones pile in a heap on the floor?

I've only touched upon the possibilities of lasting 150 years, you see. You can take the misery up from here, and if you come out sane and happy, let me know. I'm going to confine my thoughts to war and desolation. It's more pleasant.

AMONG THE ALUMNI

Maj.-Gen. James G. Harbord, B. S. '86, chairman of the board of the Radio Corporation of America, officiated at the ceremonies for the laying of the cornerstone of the new RCA Laboratories, being built on an historic 300-acre site three miles southeast of Princeton university, Princeton, N. J. When the organization gets under way next summer, it is expected to be the world's foremost citadel of radio-electronic research. Within the cornerstone in a sealed metal container were placed several examples of the radio and electronic devices of the day and a quantity of technical literature describing the devices. Major-General Harbord, who has been with RCA for many years, may be addressed at Room 5322, 30 Rockefeller Plaza, New York, N. Y.

Fanny (Waugh) Davis, B. S. '91, M. S. '99, 1714 Villa Place, Nashville, Tenn., represented Kansas State College at the dedication of the Joint University Library in Nashville, December 5 and 6.

Frank C. Lockwood and Mary (Pritner) Lockwood, B. S. '99, have been visiting relatives and friends in Manhattan. Mr. Lockwood, former head of the English department at Kansas State, now is with the University of Arizona, Tucson.

Herman A. Praeger, Ag. '08, has been appointed as a member of the Kansas State AAA committee, according to an announcement made during January. Praeger has previously been active in the administration of the farm program. In 1935 he was made a master farmer and in 1936 was declared the poultry champion of Kansas. Mr. Praeger and Gertrude (Grizzell) Praeger, D. S. '08, live at Clafin, Kan. Other members of the state AAA committee are Lawrence H. Norton, '31, chairman, Albert Criger, f. s. '12, and Emmet Womer.

Harry E. Hershey, E. E. '10, Prof. in Engrg. '22, graduated in June, 1941, from the John Marshall Law School with the degree of Doctor of Jurisprudence and was admitted to practice in Illinois November 10, 1941. Mr. Hershey has been continuously employed by The Automatic Electric Company since 1910, the last few years being in charge of technical publications. Some fifty-odd United States patents have been issued to him covering communication and remote control inventions. During World War I, Mr. Hershey was signal officer of the 352nd Infantry; he is a member of the American Institute of Electrical Engineers and of the Western Society of Engineers. He and Florence (Dickey) Hershey live at 1033 W. Van Buren Street, Chicago, Ill.

Reuben E. Wiseman, M. E. '13, writes that he is stationed at Albuquerque, N. M., with the 38th Reconnaissance Squadron. He wrote last summer that he had spent his allotted two years in the Philippines and was returned to March Field, Riverside, Calif., from which he was sent to Albuquerque. He and Dorothy (Kayses) Wiseman live at 515 S. Dartmouth, Albuquerque.

Earl H. Hostetler, Ag. '14, has received honor for outstanding civic work as a citizen of Raleigh, N. C. Mr. Hostetler, professor at North Carolina State College, is retiring president of the Kiwanis club and the Raleigh Civic Council.

He was selected on the All-Civic Team for his work as chairman of the agricultural committee of the Chamber of Commerce which conducted the Harvest Festival. He was cited, also, for his work in aiding the establishment of the wholesale fruit and produce market. Mr. and Mrs. Hostetler live at 2524 White Oak Road, Raleigh.

Raymond S. Orr, Ag. '16, is research man in the Division of Education, Vocational Education Department, for the state of Wyoming. He and Cynthia (McGuire) Orr, f. s. '18, live at 102 East 2nd Avenue, Cheyenne, Wyo. They have three children. Calvin is in radio work at Ft. Riley, Kan. Helen was recently married to Gus Obenhaus and will live in Duncan, Okla. Another daughter, Mary Ellen, is a sophomore in high school.

Charles C. Brown, M. E. '17, is mechanical engineer with the Doug-

las Aircraft Company. He and Lois (Wemmer) Brown, '16, live at 616 21st Place, Santa Monica, Calif.

Ralph D. Nixon, f. s. '19, and Fern (Skaer) Nixon are at 3012 Sowers Court, Topeka, Kan. They have a daughter, Delores Jean, 10. Mr. Nixon is senior appraiser with the Home Owners' Loan Corporation.

Lt. Louis B. Bate, D. V. M. '21, is now at the Thirtieth Veterinary General Hospital, Fort Bliss, Texas. Mrs. Bate is Elsa Ann (Brown) Bate, H. E. '21.

Dr. Floyd S. Ratts, D. V. M. '22, is a B. A. I. inspector on serum and virus control. He and Mabel (Vincent) Ratts, '23, live at 1818 Humboldt, Manhattan.

Ralph H. Jefferson, f. s. '23, is an airline mechanic and lives at 7606 Mohawk, Dallas, Texas. Mrs. Jefferson is the former Elizabeth Day, graduate of Kansas University in 1933.

Helen V. Dunlap, H. E. '24, is now county home demonstration agent in Hill county, Hillsboro, Texas. She was transferred to Hillsboro from McKinney in Collin County, Texas.

Ruth (King) Ruthrauff, H. E. '25, and Curtis L. Ruthrauff, Eudora, Kan., have two children—Phyllis, 8, and James Curtis, 6. Mrs. Ruthrauff writes "Mr. Ruthrauff is principal of the high school at Eudora. His major is industrial arts. He enjoyed additional work at Kansas State last summer in the Mechanical Engineering department." Mr. Ruthrauff is a graduate of McPherson College, with a master's degree from Iowa State College in 1937.

Benjamin H. Luebke, M. S. '26, is assistant agricultural economist of the University of Tennessee Experiment Station and does some teaching of agricultural marketing. He has done two years' work toward his doctorate at the University of Chicago. He and Adelle (Crowder) Luebke live at 1819 Lily Avenue, Knoxville, Tenn.

Edwin E. Peterson, G. S. '27, is material clerk for the Stanolind Oil and Gas Company, Tulsa. His wife is Lolita (Lemmon) Peterson and they live at Ellinwood, Kan.

Ruby T. Scholz, H. E. '30, sent a change of address November 21, 1941. She writes, "On July 1, I began my work as extension economist in Food Conservation and Marketing in the North Carolina Agricultural Extension Service, Raleigh. Please send my copy of THE INDUSTRIALIST to State College Station, Raleigh, N. C."

Lillian Harriet Johnson, M. S. '31, is employed by the Safeway Stores Homemakers Bureau. She is assistant to "Julia Lee Wright," home economist director. Miss Johnson lives at 433 Kentucky Avenue, Berkeley, Calif.

Vorras A. Elliott, M. E. '35, and Marlene (Dappen) Elliott, '35, 215 Sixteenth Street, Schenectady, N. Y., made a trip to Kansas last summer by way of Washington, Atlanta, Mobile, New Orleans, and Dallas in their Luscombe airplane. They returned via Omaha, Chicago, and Cleveland. Mr. Elliott is in the construction engineering department, General Electric Co., Schenectady.

Howard A. Moreen, Ag. '36, moved recently to 1020-25 Kanawha Hwy. Bank Building, Charleston, W. Va. He is still with the Aetna Life Insurance Company.

Arthur E. Schafer, Ag. '37, is county agent at Norton, Kan. He and Marceline (Gallagher) Schafer, f. s. '35, have a son, Michael Eugene, 2.

Leona (Tibbetts) Horner, H. E. '38, is working in the technical labs, household equipment division, Sears, Roebuck and Company, 925 South Homan Avenue, Chicago. She lives at the Piccadilly hotel.

Charles H. Olson, Ag. '38, has sent in his latest address as rural rehabilitation supervisor with the Farm Security Office, Minneapolis, Kan. Mrs. Olson is Gwyndora (Knox) Olson.

A. Martin Hanke, M. E. '39, writes, "Will you change my INDUSTRIALIST address from Bethlehem, Pa., to 2620 Garfield Street, N. W., Washington, D. C.? I am now employed under the Civil Service Commission working in the Navy Department in the Bureau of Shipping. Also employed in this department are Gerald Boatwright and Clinton Young, both M. E. '39."

Ray P. Murray, f. s. '41, is in service on the U. S. S. Tracy. His mother sent his address as c/o Fleet Postmaster, San Francisco, Calif., stating that he is very glad to hear from friends.

LOOKING AROUND KENNEY L FORD

The Kansas Industrial Commission has beautiful 16 mm. movies of Kansas' scenic beauty which may be obtained for alumni meetings throughout the country.

Write to Mrs. Renna Rosenthal Hunter, H. E. '23, Kansas Industrial Development Commission, Topeka.

Ralph D. Walker, E. E. '27, has sent an announcement of the Kansas Day Informal dinner party planned at the College Club, 143 North Craig Street, Pittsburgh, Pa. The date set is Saturday, January 31, 6:30 p. m. All alumni and former students are welcome to attend, if they send payment, \$1.50, for reservations by Wednesday, January 28.

The annual Kansas Klub Dinner and party at Salt Lake City, Utah, will be Thursday, January 29, 6:30 p. m., at the Beau Brummel Cafe, 131 South Main Street. Invitations to all Kansans say to make reservations not later than January 28, at \$1.10 per person with Mrs. Harry O. Frazier, Mrs. J. Meffert Fraser, or Mrs. W. L. Latshaw, 1803 Yale Avenue, Salt Lake City, Utah.

Several College alumni and staff members participated in the annual meeting of the Kansas Press Association January 23 and 24 in Wichita.

Dr. H. H. King, M. S. '15, head of the Department of Chemistry and chairman of the research committee of the Industrial Council of the Kansas State Chamber of Commerce, spoke at the January 24 session on the subject "Opportunity for Kansas," and Evan Griffith, '22, spoke January 23 on ways in which Kansas editors might help the sale of defense bonds and stamps. Mr. Griffith is state chairman of the defense bond sales program.

Among alumni attending the meeting were the following:

Cloyce Hamilton, f. s., Barber County Index, Medicine Lodge; Earl Richardson, '30, Garden City News; George A. Venneberg, '26, Clearwater News; Charles W. Claybaugh, '26, Liberal Daily News; Harold Hammond, f. s., Great Bend Herald; Richard M. Seaton, '34, Manhattan Mercury-Chronicle; J. R. Hubbard, f. s., public relations department, Santa Fe railroad; Ralph Graham, '34, news director of athletics at Wichita university; Ralph Van Camp, '33, Halstead Independent.

The Belleville Telescope won the general excellence contest open to all Kansas Press Association members. Luman Miller, f. s., is editor; and Merle Miller, f. s., is business manager.

A large group of Colorado and out-of-state K. S. C. alumni attended a banquet and meeting Monday, January 12, in Denver. The tables were nicely decorated with College colors and with flags and patriotic emblems, all in keeping with the times. Representatives from Wyoming, New Mexico, Oklahoma, and Kansas were present, among them men who have been members of the Kansas Live Stock Judging Team. Homer Henney, '21, dean of Colorado State College and director of the experiment station, talked to the group regarding educational opportunities and was reminiscent of some of the things Kansas "Aggies" have done. The officers elected were president, Eugene Olinger, f. s. '29, 1042 Logan Street, Denver; vice-president, Howard Finch, '23, Ft. Collins, Colo.; and secretary, Inez Hjort, f. s. '05, 333 East 16th Avenue, Denver.

Those present, other than Mr. Henney and the officers elected, were: Walter J. Ott, '16, and Millie (Williamson) Ott, f. s., Ft. Morgan, Colo.; B. C. Kohrs, '35, and Mrs. Kohrs, Gillette, Wyo.; Sherman Hoar, '28, Sterling, Colo.; Bruce R. Taylor, '31, Stillwater, Okla.; Philip E. Neale, '20, State College, N. M.; C. J. Rodewald, '18, and Hazel (Beverly) Rodewald, f. s., Brighton, Colo.; Dr. Gordon J. Marold, '40, and Mrs. Marold, Englewood, Colo.; William F. Droege, '10, M. S. '29, Ft. Collins, Colo.; Frank Zitnik, '31, La Crosse, Kan.; Mary (Gerkin) Burns, '27; Kitty (Smith) Wheeler, '95; Ralph C. Jones, f. s. '15, and Myrtle (Aeilt) Jones, f. s. '15.

J. E. Pallesen and Marie (Forceman) Pallesen, f. s. '40; Paul L. Kewley, '41, and Maxine (Weaver) Kewley, f. s.; F. Tom Parks, '10, and

Minnie (Forceman) Parks, '09; W. C. Hoyt, f. s. '85, and Hazel W. Hoyt; Paul T. Loyd, '40, and Mary Ellen (Corman) Loyd, '40; H. A. Burt, '05, and Mary (Strite) Burt, '05; Mrs. Eugene Olinger, Ruth Wheeler, Dr. H. G. Beatty, f. s. '19, Hazel Hestrom, f. s. '37, and H. J. Helmckamp, '18, all living in Denver. The meeting was arranged and reported by Walter J. Ott.

MARRIAGES

SCHUMACHER—MELIA

Caroline N. Schumacher, Protection, and Bernard I. Melia, Ag. '27, were married December 25, 1941. Mr. Melia is employed at the Cessna Airplane factory in Wichita.

KITTELL—BOOTH

Marjorie Kittell, P. E. '37, and Norman C. Booth, f. s., were married December 20 at the home of the bride in Topeka. They are now living at 603 West Fifth, Topeka, and Mr. Booth is employed in the Santa Fe offices.

POOLE—GILMORE

The marriage of Gladys Poole, G. S. '37, to Lester O. Gilmore, M. S. '33, took place November 21 at the home of the bride's aunt, Miss Marie Brunner, Manhattan. A member of Alpha Xi Delta social sorority, the bride belongs to Mortar Board, senior women's honorary. Mr. Gilmore is a dairy specialist in the Division of Extension. They are living at the Wareham hotel, Manhattan.

KENDRICK—BELCHER

The marriage of Lorene Kendrick, H. E. '39, to Ensign Roy S. Belcher, M. E. '40, took place November 1, in the First Methodist Church in San Antonio, Texas. Mrs. Belcher was dietitian at Duke university, Durham, N. C., for a year and was head dietitian in the Baptist sanitarium in Waco, Texas. Mr. Belcher was a member of Theta Xi fraternity and is now an instructor in the naval base at Corpus Christi, Texas, where they will make their home.

TOBUREN—ANDERSON

The marriage of Hazel Toburen to Hilding A. Anderson, Ag. '39, M. S. '40, was November 1 at the Hesston Evangelical church in Hesston, Kan. The bride was graduated from the Cleburne high school and the Venus Beauty Academy of Wichita. For the past few years she has owned and successfully operated the Peggy Beauty Shoppe in Manhattan. Mr. Anderson was a member of Alpha Zeta, agriculture fraternity, and Phi Kappa Phi, honorary fraternity. For the past months he has been with the Farm Security administration at Cimarron and Ness City. He is now with the soil conservation service at Wayne, Neb., where they are at home.

DEATHS

ROGERS

Frederick J. Rogers, B. S. '85, M. S. '87, died December 9 at his home in Cupertino, Calif., at the age of 78. He had been ill for two years. In 1900 Professor Rogers joined the faculty of the Stanford university. He took an emeritus ranking in 1929. He is survived by his widow, Josephine Rand Rogers, and three children, two sisters, and one brother, Albert G. Rogers, former Kansas State College student.

COFFMAN

Dr. Joseph H. Coffman, D. V. M. '11, died November 13 of heart disease in a hospital in St. Augustine, Fla. For nearly 25 years, he had lived in Atlanta, Ga., where he had held important positions in state veterinarian work. He is survived by his widow, Mrs. Viola Coffman, 922 N. Highland avenue, Atlanta, Ga.; his father, E. B. Coffman, Manhattan; two sisters, two brothers; his daughter, Mrs. Louise Headrick, and one grandson.

HOUSER

Bessie (Mudge) Houser, D. S. '03, died at her home at 136 E. University street, Wooster, Ohio, November 7. Mrs. Houser is survived by her husband, J. S. Houser, B. S. '04, chief of the Department of Entomology of the Ohio Agriculture Experiment Station; two daughters, Phoebe, at home, and Mary Caroline (Houser) Kuthe, I. J. '33, Birmingham, Mich.; two sisters, Mrs. Carl Elling, D. S. '05, and Mrs. William Dimock, B. S. '01; and two brothers, Josiah B. Mudge, B. S. '14, and B. F. Mudge.

RECENT HAPPENINGS ON THE HILL

The increased cost of food was considered last week by the Interfraternity council. Members of the council discussed the possibility of cooperative buying in order to meet rising prices.

The College World Forum week, this year February 13 to 15, will feature Dr. Orville S. Walters, president of Central College at McPherson, as one of the four speakers scheduled for the forum.

Junior veterinary students saw motion pictures of a Mexican bullfight at their A. V. M. A. meeting Monday night. Prof. Edwin J. Frick, Department of Veterinary Surgery and Medicine, took the pictures while he was in Mexico during Christmas vacation.

In order to sponsor a publicity campaign for the Red Cross and National Defense, Theta Sigma Phi, honorary and professional fraternity for women in journalism, has canceled its annual Matrix Table banquet planned for February 17.

Mrs. Lorane M. Cooley, Junction City, recently was awarded a prize of \$25 for a coat design she made in advanced clothing class. The Print-Biedermann Manufacturing company sponsored the contest and will judge the design again in the company's grand contest.

College women will meet Monday at 4 a. m. in the College auditorium to hear a final discussion on the organization of Associated Women Students. A vote will be taken on the establishment of the organization on the Kansas State College campus. Mortar Board and Prix, senior and junior honorary organizations for women, are sponsoring the meeting at which Mrs. Katherine Coleman, Lincoln, Neb., former Mortar Board national president, will speak.

Prof. John F. Helm, Jr., Department of Architectural Engineering, and Prof. Dorothy Barfoot, head of the Department of Art, will attend the Kansas Federation of Art in Topeka Friday. Professor Helm is director of the organization. Joining Miss Barfoot Saturday for the Kansas Art Teachers association meeting in Topeka are Louise Everhardy, Vida A. Harris, Maria Morris, Rose Marie Darst, Mary Stalder, Rosamond Kedzie, all professors and instructors in the art department.

BIRTHS

Alan Compton Ernst was born Sunday, November 23, to Pauline (Compton) Ernst, Com. '35, and A. O. Ernst, No. 5 Harmony Drive, Larchmont, N. Y.

William H. Wiggins, Ag. '37, and Helen (Offutt) Wiggins, G. S. '37, have a son, William Eugene, born November 27, 1941. The family lives at Route 3, Eureka, Kan.

Oran F. Burns, Ag. '37, and Marie (Wilson) Burns, H. E. '37, announce the arrival of Rex Charles, November 23, 1941. The Burns live at Norton, Kan., where Mr. Burns teaches in the high school.

Sharil Darlene was born November 23, 1941, to Dale Rush Curtis, E. E. '35, and Wanda (Houston) Curtis, 705 Bluemont, Manhattan. Mr. Curtis is a meterman for Kansas Power and Light Co.

Dr. John E. Abbott, D. V. M. '39, and Mercedes (Cootway) Abbott, 507 Fourth Street, De Pere, Wis., have a daughter, Donna Jean, born Sunday, November 16, 1941. Doctor Abbott has a veterinary practice at De Pere.

Elizabeth (Egelston) Wareham, f. s., and Ralph I. Wareham, R. C. '27, have a son born November 13, 1941. He has been named James Egelston Wareham. Mr. and Mrs. Wareham live at 1744 Leavenworth, Manhattan.

Walter H. Atzenweiler, Ag. '26, M. S. '32, and Anna (Mangelsdorf) Atzenweiler are parents of a

HOLTON SAYS WAR CONDITIONS POSE PROBLEMS FOR SCHOOL

SHORTAGE OF TEACHERS A THREAT TO STATE'S INSTITUTIONS

Cannot Obtain Funds to Compete with Industry and Others for Faculty Personnel, He Reports

Difficult problems created or aggravated by the national defense program have produced an alarming and steadily worsening situation for public schools in Kansas, according to Prof. E. L. Holton, head of the Department of Education and dean of the summer school at Kansas State College.

Most pressing of the problems harassing both city and county superintendents, said Dean Holton, is that of personnel. Every day the public schools—particularly rural units—are losing teachers to the armed services, to industry and to many other organizations, and "the prospect of replacing these men and women is growing hourly darker."

CRITICAL IN RURAL SCHOOLS

Although the problem is manifest most plainly in a teacher shortage, explained Dean Holton, the difficulty is "largely financial." With limited resources, "public schools cannot compete with industry for the services of trained men and women, and as a result the underpaid teachers may be expected to resign in growing numbers."

The situation is particularly critical in rural schools, where teachers receive the lowest pay. Fewer young persons are preparing for these highly important positions, Dean Holton declared, and the problem may be expected to become more and more acute.

The Kansas educator protested vigorously against recent proposals that local governments pare their taxes in order that the increasing federal tax burden might be shouldered more easily. He said some superintendents were pleading for more lenient statutory limitations on property tax rates, so that school districts might obtain more funds from this source.

ISSUE TEMPORARY PERMITS

Warning against any reduction of school funds in the face of expanding needs, the dean declared such a move would lower the educational standards in public schools with the result that the youth of the state would fail to receive the training they would need to cope adequately with post-war problems.

The state board of education is attempting a partial solution of the shortage by granting temporary emergency certificates to persons whose first-grade county certificates or state certificates have lapsed.

The tire rationing program has created another serious problem for rural schools, said the dean of education at Kansas' state college. Kansas educators for years have urged the abandonment of one-room schools in which the enrollment has fallen below ten children. In the past three or four years some 500 of these have been closed, and the children have commuted to other districts, receiving allowances for travel.

"Now new tires cannot be bought for the cars hauling these pupils, unless the cars are busses carrying at least ten persons," reminded Dean Holton. "In few, if any, of these districts are as many as ten children transported to adjacent districts—most of the children go in family cars. The shortage of tires for these cars may be expected to pose another serious problem."

CARLETON COLLEGE PROFESSOR WILL TALK TO KANSAS STATER

Prof. Olin Sewell Pettingill Will Be On Campus February 12

Prof. Olin Sewell Pettingill, of the Department of Zoology at Carleton College, Northfield, Minn., will give two lectures to Kansas State students on February 12.

In the afternoon, to a closed meeting of Science club members, Professor Pettingill will speak on "Bird Magic in Mexico." In the evening, at an open meeting, his subject will be "Birds That Haunt the Waterways."

Weigel To Architects' Meetings

Prof. Paul Weigel, head of the Department of Architectural Engineering, attended a meeting of the Kansas chapters of the American Institute of Architects and the Kansas Society of Architects Monday.

C. S. Moll To Topeka Meeting

Prof. C. S. "Cooney" Moll, assistant professor in the Department of Physical Education, will attend a meeting concerned with physical fitness in relation to civilian defense in Topeka Thursday. The meeting was called by Dr. F. C. Beelman, executive secretary of the State Board of Health. Professor Moll is president of the Kansas Health and Physical Education association.

700 RURAL FOLK AT EARLY SESSIONS OF SEVENTY-THIRD FARM-HOME WEEK

(Continued from page one)

cal Engineering, who discussed the use of the spectrum in "Lighting for the Farm and Home." Another highlight in the Electrification program was P. T. Montfort's talk on "Freezing and Storing Food on the Farm." Montfort is a research agricultural engineer at Texas A. and M. College, College Station. E. D. Warner, instructor in architecture in the Extension service, presided over the morning sessions, Carleton over the afternoon meetings.

Awards to Kansas poultry champions were made Tuesday by R. G. Christie, general secretary of the Kansas Poultry Improvement Association, on the Poultry program in West Waters hall. Three farm couples whose poultry records reflected the most expert management were cited. They were Mr. and Mrs. Theo L. May of Oberlin, Decatur county, certified flock champions; Mr. and Mrs. John Brunner, Elmo, Dickinson county, approved flock champions; and Mr. and Mrs. C. O. Krause, Plains, Seward county, management champions.

Speakers at the Poultry sessions urged increased production in cooperation with the National Defense program.

BUSHNELL A SPEAKER

"With the defense program calling for greatly increased poultry production, there is need for focusing attention upon the stock from which we are expecting this performance," Prof. D. C. Warren, Department of Poultry Husbandry, told breeders.

Other speakers at the program were Dr. L. D. Bushnell, head of the Department of Bacteriology at Kansas State College, who stressed the need for keeping the poultry flock healthy and under constant observation; and A. E. Schumacher, assistant professor in the Department of Poultry Husbandry, who discussed recent improvements in poultry rations.

Martha and Mary Carl of a Dighton 4-H club demonstration team gave an exhibition of proper poultry dressing. The Tuesday morning sessions of the conference were presided over by Prof. L. F. Payne, head of the poultry husbandry department; the afternoon sessions by M. A. Seaton, assistant professor of poultry husbandry in the Extension service.

Kansas poultry breeders attending Tuesday afternoon sessions of the Poultry Program were told that "there's nothing to raising chicks." Willard Colwell, commercial poultry producer and farmer of Emporia told them, "All you have to do is to start with good chicks, keep them comfortable, and give them plenty of fresh feed and water."

HEAVIER BROILERS BEST

Preceding Colwell on the program was Robert Slocum, senior marketing specialist of the U. S. D. A., who painted a bright future for poultry raisers. He qualified his rosy predictions with the warning that producers must keep abreast of changes that are being made in egg marketing, listing specifically the dried-egg industry. B. B. Bohren, an assistant in the College Department of Poultry Husbandry, explained experiments in broiler production and said that, as a rule, the heavier broilers returned the best percentage of profit.

Merlin G. Miller, Education Department of Consumers' Cooperative Association, Kansas City, Mo., spoke on the topic, "Rural Church and the Cooperative Movement," at the second annual Rural Pastors' Conference, which opened its two-day program in Fairchild hall Tuesday morning. Music and introductions preceded an address by the Rev. Frank Richard, pastor of the Community church at Partridge, on the subject of "The Community Program for the Rural Church." The Rev. Charles A. Brewster, pastor of the Congregational church at Manhattan, presided at the Tuesday morning sessions.

The importance of a rural pastor's active interest in his community was

stressed in an address Tuesday afternoon by the Rev. George H. Hildner, pastor of a rural Catholic parish at Villa Ridge, Mo. Father Hildner said the pastor's place in the community was not limited to the field of spiritual guidance but embraced economic and social planes.

50 HEAR PANEL TALKS

"Don't set yourself apart from the community as a clergyman," Father Hildner warned. "Cooperate with all of the people in your rural section, regardless of religious denomination, in making their farms a better place to live."

A group of about 50 attended a panel discussion of the topic, "Future Outlook and Challenge of the Rural Church." Participating were the Rev. Francis J. Senecal, Catholic church, Grinnell; the Rev. J. E. Dollar, Kansas Baptist Convention, Hays; and Prof. Randall C. Hill, Department of Economics and Sociology at Kansas State College. Presiding at the pastors' sessions Tuesday afternoon was Monsignor A. J. Luckey of the Catholic church of Manhattan.

The two-day Dairy program opened in West Waters hall Tuesday morning with directors' meetings of the Kansas Ayrshire club, Kansas Brown Swiss Breeders' association, Kansas Guernsey Breeders' association, Holstein-Friesian association, Kansas Jersey Cattle club and the Kansas Milking Shorthorn society. Officers of dairy breed associations elected at the business meetings of the organizations Tuesday afternoon included:

Holstein-Friesian association of Kansas—T. Hobart McVay, Nickerson, president; Harry Burger, Seneca, vice-president; G. G. Meyer, Basehor, secretary-treasurer; Glen Sewell, Sabetha, director-at-large.

Kansas Guernsey Breeders' association—W. G. Ransom, Jr., Homewood, president (re-elected); Ray Dillard, Salina, vice-president; Ballard Bennett, Manhattan, secretary-treasurer (re-elected).

Kansas Ayrshire club—Marion Velthoorn, Manhattan, president (re-elected); Harry Bauer, Broughton, vice-president; Mrs. John Keas, Effingham, secretary-treasurer.

Kansas Brown Swiss Breeders' association—Marion Beal, Danville, president (re-elected); Paul Orton, Sedan, vice-president; H. W. Westmeyer, Anthony, secretary-treasurer.

Two organizations, the Kansas Jersey Cattle club and the Kansas Milking Shorthorn society, did not elect officers at the meetings. Both organizations elect officers at their fall meetings.

Seek Aid of Doctor McCampbell

Dr. C. W. McCampbell, head of the Department of Animal Husbandry, has been asked to aid the National Research Council in experiments to compound a ration for horses which will combine adequate nutrition for a minimum of bulk. He is already well known through his published results of a horse feeding experiment which he conducted at Ft. Riley several years ago.

Reject Jones Offer To Train

The application of R. A. Jones, professor of applied mechanics and architecture, to attend a school offering instruction in aerial bombardment protection has been rejected, it was learned here this week. The explanation given was that it was more important to instruct representatives from areas more likely to be subjected to bombardment.

EVERYDAY ECONOMICS

By W. E. GRIMES

"If the rights of individuals were absolute, the result would be anarchy."

If the rights of individuals were absolute, the result would be anarchy. There would be no restrictions on individual rights excepting as they might be imposed by another individual who had a bigger club or a stronger body. In the modern world the rights of the individual are given to him by society. They are socially created rights; and since they are created and given and maintained by society, they also may be taken away or modified by society. Society acts through government.

The eternal problem of a democracy is to maintain a balance between the rights of the individual and the rights of the group. The individual must be held in check in the exercise

Sees Further NYA Cut Here

M. A. Durland, assistant dean of the Division of Engineering and head of the NYA organization at Kansas State, this week predicted a further cut in NYA appropriations here. At the end of the fall semester, 130 students were cut from the rolls, leaving about 170 students who are still receiving aid.

PRESIDENT FARRELL ANNOUNCES CHANGES IN FACULTY PERSONNEL

Albert Horlings, Newspaper Man and Free-Lance Writer, to Department of Journalism Staff

Among recent faculty changes announced by Pres. F. D. Farrell are five resignations, one leave of absence and one appointment.

Albert Horlings was appointed assistant professor in the Department of Industrial Journalism and Printing to replace Associate Professor Hillier Kriegbaum during his leave of absence this semester. Horlings, who assumed his duties January 22, graduated in journalism from the University of Minnesota in 1934. His journalistic experiences include publishing of the Whiting, Iowa, Argus for two years, teaching and working on the news bureau staff of the University of Hawaii, where he received his master's degree in political science, and writing and editing for Newsweek, the Pittsburgh, Pa., Bulletin-Index, Omaha World-Herald, New Republic and other publications.

Frederick Peery, instructor in the Department of English, is on leave of absence from January 25, 1942, to May 31. He will do special research work in radio at the Columbia university in New York.

Resignations include: Charles E. Dominy, assistant professor of agricultural economics in the Division of Extension, effective January 24; Miss Mildred E. Anderson, assistant professor and district agent in home demonstration work in the Division of Extension, effective January 31; Irene M. Wassmer, part-time graduate assistant in the Department of Zoology, effective January 20; Otto E. Wenger, part-time graduate assistant in the Department of Entomology, effective December 31, 1941; John D. McNeal, part-time graduate assistant in the Department of Geology, effective January 10.

THIRTEEN STUDENTS COMPLETE WORK IN ENGINEERING DEFENSE TRAINING

Program Helps Provide "Second Line of Defense," Declares Prof. W. W. Carlson, Director Here

Thirteen students have completed the third course of engineering drawing offered under the defense training program at Kansas State College, Prof. W. W. Carlson, defense training program head, has announced.

The course trains students for work in industry production, Professor Carlson explained, and "provides the second line of defense so vital to the success of the front line forces."

The students completing the courses are Arnold V. Carlson, Stockdale; Virginia Bryan Carmony, Manhattan; Leonard F. Dickeson, Hiawatha; Roy G. Foster, Humboldt; Merwin W. Gilmore, Bloomington; J. D. Hedstrom, Burdick; Eugene J. Hunt, Concordia; Robert S. Johnson, Emporia; Rhea R. McCandless, Topeka; Ernest R. Newell, Manhattan; Henry R. Platt, Junction City; Eugene B. Shouse, Manhattan; and Charles E. Zabel, Quenemo.

KANSAS STATE DEFEATS NEBRASKA CORNHUSKERS IN HOME ENCOUNTER

VICTORY IS FIRST IN WILDCATS BIG SIX SEASON

Larry Beaumont Takes Scoring Honors from Guard Position with 12 Points; Staters Grab Early Lead and Keep It

Coach Jack Gardner's underdog cagers won their first conference game in five starts Monday night when they downed the University of Nebraska Cornhuskers in a 38-35 battle in Nichols Gymnasium.

Led by Big Larry Beaumont, junior guard from El Dorado, the Wildcats took the initiative in the early seconds of the game and were never behind. Beaumont connected with six field goals for 12 points and high scoring honors for the game. Danny Howe, Stockdale, senior Wildcat center, accounted for 11 points for second place.

K-STATE SCORES FIRST

Sid Held, the Huskers' all Big-Six center, and guard John Bottorff each accounted for six points for the Nebraskans.

Beaumont gave the Wildcats their early edge when he sank the first goal of the game immediately after the tip-off. Until the end of the half the score was close, though the Huskers were never able to tie the K-Staters. The half-time score was 21-15.

HORACEK KEEPS UP PACE

Twice in the early minutes of the second half, the Huskers threatened to take the lead away from the K-Staters but were forced to drop back after tying the game, once at 25-25, and again at 27-27.

After the second tie, the Wildcats pulled ahead and led until the end of the game.

Jack Horacek, Topeka, stocky senior who has starred at forward for the Wildcats for three years, kept up his average for the season with eight points. Bruce Holman, Horacek's sophomore understudy, made five.

COUNCIL OF DEANS APPROVES

ACCELERATED STUDY PROGRAMS

(Continued from page one) three regular academic years beginning with the 1942-43 period.

By completing the requirements for graduation either in the regular way or by one of the above arrangements, and by attending summer military camp, President Farrell pointed out, advanced R. O. T. C. students may qualify for both the bachelor's degree and a reserve commission in the United States Army.

Special arrangements open to students in the five-year Veterinary Medicine curriculum include the following:

Members of the present class of 1945 who follow the accelerated program may receive degrees at the spring commencement, 1944; those of the class of 1944 who take the stepped-up schedule may be graduated at the close of the summer session, 1943; members of the class of 1943 who follow the accelerated program may finish in January, 1943.

The president asserted that hundreds of the more than 1,000 subjects offered during the normal year at Kansas State were of "direct importance in the conduct of the war." This, he said, is particularly true of subjects in physical and biological sciences, in mathematics, engineering, veterinary medicine, human nutrition, business management and many others." He also called attention to the government-sponsored, tuition-free Defense Training courses which are "in progress six days a week for 12 months each year."

Issue Bulletin on Lockers

The "how" and "why" of using frozen food lockers is discussed in detail in a recent publication of the Kansas Agricultural Experiment Station. The publication was written by G. A. Filinger of the Department of Horticulture and D. L. Mackintosh of the Department of Animal Husbandry and bears the title "Preserving Foods in Frozen Food Lockers." Copies of the publication may be obtained by addressing the Kansas Agricultural Experiment Station, Manhattan, asking for Circular No. 209, "Preserving Foods in Frozen Food Lockers."

Alumni Hear Dr. Howard Hill

Dr. Howard T. Hill, head of the Department of Public Speaking, was guest speaker at an alumni meeting in Wichita last Saturday.